MARKOR RGS

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REVISION HISTORY

REVISION DATE	AUTHOR	VERSION	SUMMARY
21-FEB-2018	SANTOSH REDDY	INITIAL-DRAFT	INITIAL DRAFT
6-MAR-2018	SANTOSH REDDY	0.1	Added Slots engine feature list
9-MAR-2018	SANTOSH REDDY	0.2	Added Keno API
16-MAR-2018	SANTOSH REDDY	0.3	Added Get Game Round API
18-MAR-2018	SANTOSH REDDY	0.4	Updated Request/Response formats for all APIs. Added Scattered feature
6-APR-2018	SANTOSH REDDY	0.5	Updated Scatter Request/Response formats, Keno Quick pick API Brand and Skin names supported
14-MAY-2018	SANTOSH REDDY	0.6	Added All Ways Slots API
5-JUN-2018	SANTOSH REDDY	0.7	Gamble Feature API
6-JUN-2018	SANTOSH REDDY	0.8	Collect API for Gamble
21-JUN-2018	SANTOSH REDDY	0.9	Free Spins for Slot Games
11-JUL-2018	SANTOSH REDDY	0.10	Atlantis Keno API
16-AUG-2018	SANTOSH REDDY	0.11	- Lucky Cherry Keno API - Changes to Wallet Response - Added RTP info to Game Configuration Response
12-SEP-2018	SANTOSH REDDY	0.12	Rankup Dragon API
18-SEP-2018	SANTOSH REDDY	0.13	-Wolf Territory API -Gamble History API
25-SEP-2018	SANTOSH REDDY	0.14	- Updated RUD Endpoints - Returning Scatter Winnings in RUD Response
2-DEC-2018	SANTOSH REDDY	0.15	God of Sea API
10-JAN-2019	SANTOSH REDDY	0.16	Changed needed for Sweden in initialize & game play response
18-FEB-2019	SANTOSH REDDY	0.17	Panda Warriors API
27-FEB-2019	SANTOSH REDDY	0.18	Extra Fortune API
5-MAR-2019	KRISHNA GUMMA	0.19	Fruit Blast and Gems Odyssey (Skillzz games) API

8-MAR-2019	SANTOSH REDDY	0.20	N3GQ API
7-MAY-2019	KRISHNA GUMMA	0.20	Fruit Blast and Gems Odyssey continueSpin request pay load changes.
13-MAY-2019	SANTOSH REDDY	0.21	Updated N3GQ API Added Lucky Tiger API Added Plucky Pirates API Added Harry RedKnapp ReelsAPI
14-MAY-2019	SANTOSH REDDY	0.22	Fortune Monkey API
21-MAY-2019	SANTOSH REDDY	0.23	Updated Fortune Monkey API responses
28-MAY-2019	SANTOSH REDDY	0.24	R4BB API
18-JUL-2019	SANTOSH REDDY	0.25	Updated APIs for Harry Reels
29-JUL-2019	SANTOSH REDDY	0.26	APIs for Riches of Atlantis
31-JUL-2019	SANTOSH REDDY	0.27	APIs for 243 Ways
6-AUG-2019	SANTOSH REDDY	0.28	Added Logo URL to config response
8-MAY-2020	SANTOSH REDDY	0.29	History APIs
2-JUN-2020	SANTOSH REDDY	0.30	Updated History APIs
9-JUN-2020	SANTOSH REDDY	0.31	Implemented Pagination for History API, end point changed

INTRODUCTION

Following Game Engines are supported with Markor RGS

SLOTS ENGINE:

Features in Markor Slots Engine.

a. Regular Spins
b. Free Spins
c. Wilds with multipliers
d. Sticky Wild
e. Multi 1 of X
f. Expanding Wilds & Locked Reels
g. Scattered Symbols with multipliers and free spins
h. All Ways Slots with Wheel Bonus
i. Gamble & Collect
j. Award Free Spins

REGULAR SPINS

After a demo/player session is established, a regular spin would be triggered by player selecting the stake, number of lines and player hitting SPIN on the game client. For a given game configuration, RNG generated is evaluated against the reel set and depending on symbol stake multiplier, total winnings are calculated and returned as part of the spin response along with the reel grid and winning pay lines.

FREE SPINS

Free Spins are triggered based on the game configuration for the game, and the awarded free spins are sent in the spin response. Free spins are triggered based on scattered free spin symbols. Game Client needs to display appropriate message based on the free spins awarded and would make a /continue call to the game server for every subsequent spin in the free spin session. A free spin context is established in the game server for the game round when free spins are awarded and the free spin count is deducted based on the continue call. Free spin context along with the winnings for that

particular spin and a cumulative winnings for the game round are sent back to the game client in each of the spin response. Same reel set which is used for regular spins or a separate bonus reel set can be configured for the game.

WILDS

Once the reel grid is generated based on game configuration, engine replaces all the WILD BONUS symbols with legitimate normal symbols and winnings are evaluated on the replaced symbol grid. Generated reel grid indexes along with the winnings are returned as part of spin and continue response. A multiplier would be applied for Wild replaced pay lines based on the game configuration. Also, WILD can by itself be defined as a pay line.

STICKY WILDS

Based on the game configuration, a WILD symbol can be sticked (locked) for the subsequent calls for "N" number of spins where "N" is a randomly generated number by the engine. Triggering Sticky Wilds, using RNG to choose a sticky wild pattern from game configuration, decrementing sticky wild counter for each stick wild spin are taken care by the engine. A separate sticky wild context is established by the engine and winnings are evaluated as if a WILD symbol appeared in that particular spin. Generated reel grid, sticky wild context along with the total winnings calculated are returned as part of the spin and continue response.

MULTI 1 OF X

A multi 1 of X bonus feature can be enabled for a game, where when a pay line is hit a multi 1 of X game is displayed with randomly generated multipliers and player is allowed to pick one of the closed symbol and based on the multiplier winnings are determined as part of /multioneofx call. MultiOneOfX are triggered based on scattered free spin symbols. MultiOneOfX outcome (winnings per level) are returned along with total Winnings for the game.

EXPANDING WILDS AND LOCKED REELS

Based on game configuration, when a WILD symbol is hit on a particular symbol in the reel, engine would expand the WILD symbol for the whole reel

and winnings are calculated as if WILD symbol appeared on each of the symbols in the reel by replacing them with a normal legitimate symbol. Reel is expanded with WILDS first and then the winnings are calculated for the spin. Along with the calculated winnings, a set of locked reel indexes are sent in the spin and continue response so that game client can lock the reel for the subsequent spin.

SCATTERED SYMBOLS WITH MULTIPLIERS AND FREE SPINS

Based on game configuration, when a defined number of scattered symbols appear in the visible reel layout, an additional amount would be paid out on top of pay line winnings. Free spins can also be configured when scattered symbols appear. A multiplier can be applied for all the free spin pay outs based on the game configuration.

ALL WAYS SLOTS WITH WHEEL BONUS

Slots game configuration can be configured to report the winnings in All Ways (243/1024) instead of predefined pay lines. A Bonus wheel can be configured when a scattered number of wheel symbols appears in the visible grid.

GAMBLE & COLLECT

Gamble feature can be enabled for a game instance and max gamble attempts to be allowed along with max wager amount to be gambled can be configured for that particular instance. Based on the game instance configuration, in the spin response, an attribute indicating if the game is eligible for a gamble game is returned. If the player decides to collect the winnings after playing few of the gamble draw, collect API needs to be invoked which would mark the game round as not eligible for gamble round anymore.

AWARD FREESPINS

Free Spins can be awarded by the operator for a particular player or group of players. When a game is launched, game server responds with number of free spins remaining for the player. Free Spins are played out before any unfinished game. Free Spins can be awarded for a single game or across set of slot games.

SLOTS SEQUENCE DIAGRAM
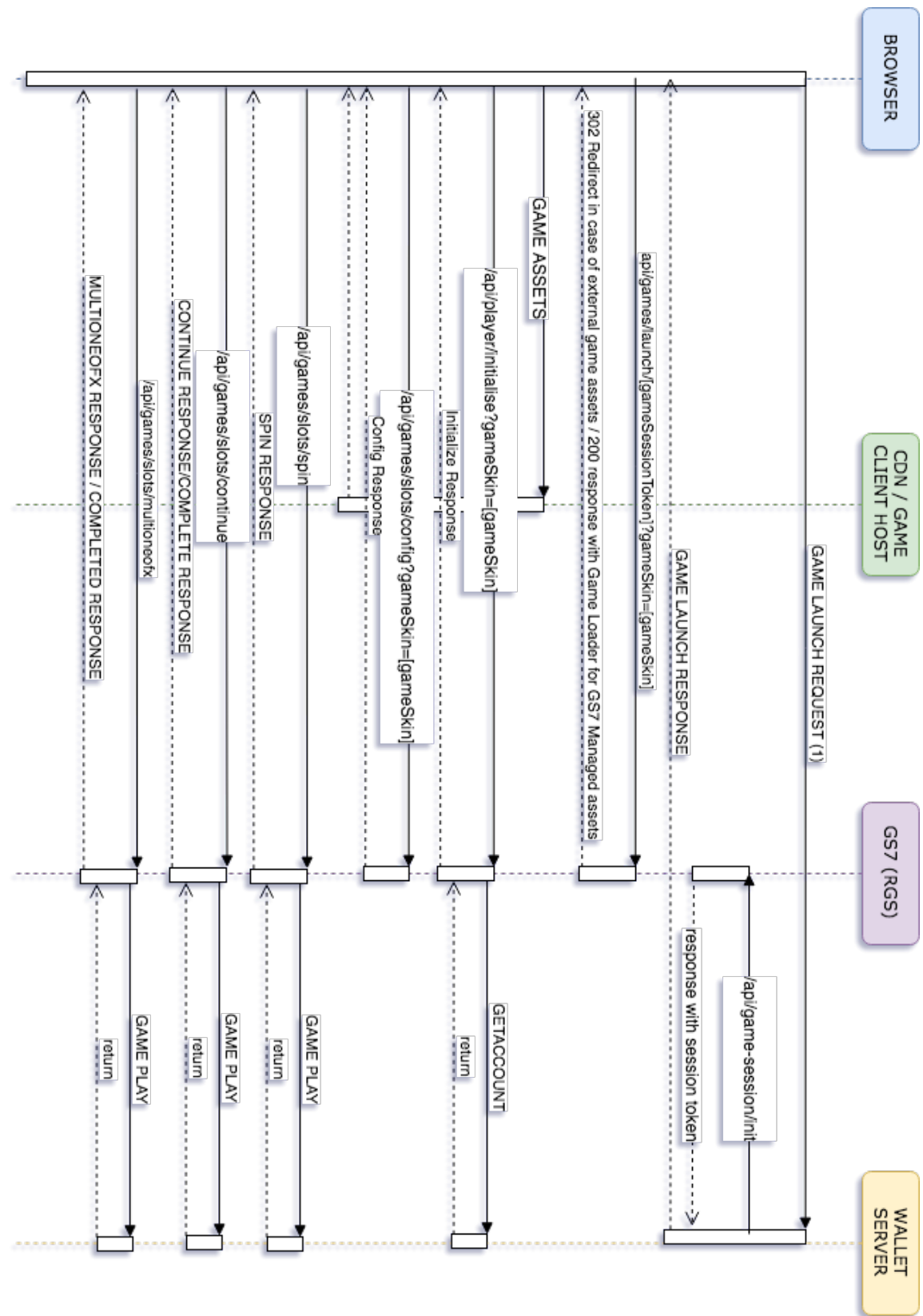
KENO ENGINE:

Features in Markor Keno Engine.

    a. Regular Draws
    b. Free Draws
    c. Bonus Spot Multiplier & Lock Bonus Spot
    d. Redraw Spots
    e. Quick pick Spots

REGULAR DRAWS

After a demo/player session is established, a regular draw would be triggered by player selecting the stake, picking spots and player hitting DRAW on the game client. For a given game configuration, RNG generated is evaluated against the picked spots and depending on spots hit multiplier, total winnings are calculated and returned as part of the draw response along with the winning spots.

FREE DRAWS

Free Draws are triggered based on the game configuration for the game, and the awarded free draws are sent in the draw response. Game Client needs to display appropriate message based on the free draws awarded and would make a /continue call to the game server for every subsequent draw in the free draw session. A free draw context is established in the game server for the game round when free draws are awarded and the free draw count is deducted based on the continue call. Free draw context along with the winnings for that particular draw and a cumulative winnings for the game round are sent back to the game client in each of the draw response. Depending on the game configuration, a free draw can award multiple free draws in turn, based on which the free draw counter is incremented and sent in the response.

BONUS SPOT MULTIPLIER & LOCK BONUS SPOT

Based on the game configuration, a separate bonus spot can be draw by the game server and if the bonus spot generated is also drawn in the winning spots drawn an additional multiplier can be applied to the winning amount. An option for the player to lock the bonus spot for the next draw can also be presented in which case same bonus spot would be applied for the next draw instead of game server generating a new bonus spot. If the bonus spot is hit on the last spot generated in the winning numbers drawn, player would be moved to the next bonus level.

REDRAW SPOTS

Based on the bonus level, a separate set of numbers which are not in player selected spots, would be drawn as redraw spots, and for every redraw spot in winning numbers drawn an additional winning spot is generated, giving player more chances to hit the player picked numbers. Redraw spots can be configured per bonus level.

QUICKPICK SPOTS

Engine supports quick pick functionality to pick the spots for the player based on the number of spots selected.

GAME SESSION INIT

In order to launch a game, a game session needs to be established with MARKOR RGS Game Server. Once a game session is established with the game server, token returned will be used to launch the game. Following are the details of the API.

ENDPOINT URL:

/api/game-session/init

REQUEST METHOD: POST

REQUEST PAYLOAD

```json
{
  "brand": "TEST-BRAND",
  "playerId": "12345",
  "username": "username123",
  "currency": "GBP",
  "rgSettings": {
    "realityCheckSettings": {
      "sessionLimit": 10,
      "elapsedTime": 0
    }
  },
  "regulations": [
    "UKGC",
    "US",
    "SE"
  ],
  "sessionElapsedTime": 15
}
```

RESPONSE SAMPLE SUCCESS

```json
{
  "gameSessionToken": "21f24370-e662-465e-bc3a-7e369f43b78c"
}
```

RESPONSE SAMPLE FAILURE

```json
{
  "code": "2000",
  "description": "Invalid brand ID"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
brand	*Required*	*This parameter is used to uniquely identify a brand on platform. This is usually generated by Markor RGS and circulated.*
playerId	*Required*	*Player ID associated in the PAM*
username	*Optional*	*Username of the Player*
firstName	*Optional*	*First Name of the player*
lastName	*Optional*	*Last Name of the player*
rgsSettings	*Optional*	*Any specific settings required by the regulation.* *For UKGS, we need to pass the sessionLimit and sessionElapsed time of the player*
regulations	*Optional*	*Regulations to be applied for the session. Possible Values: UKGC, US, SE*
sessionElapsedTime	*Optional*	*Time since the player has logged in, need to be displayed in the game client for Sweden*

ERROR CODES

Code	Description
0000	Unknown internal error
1002	Invalid session initialize params
2000	Invalid brand ID

GAME LAUNCH

This is a unified endpoint to launch any game.

ENDPOINT URL:

https://[gameServer]]/api/games/launch/[gameSessionToken]?gameSkin=[gameSkin]&brand=[brand]&language=[language]

REQUEST METHOD: GET

REQUEST PARAMETERS:

NOTE: *All the request parameters should be URI encoded.*

Parameter	Required / Optional	Description
gameSessionToken	Required	For real game play, this should be game session token returned during game session init call. For demo play, this has to be generated by the client and should start with "demo"
gameSkin	Required	Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.
brand	Required	Brand uid
language	Required	2 letter language code, default en
limitsURL	Optional	Deposit Limits URL Required for Sweden
gamePauseURL	Optional	Self Exclusion URL Required for Sweden
selfTestURL	Optional	Self Test URL Required for Sweden

RESPONSE:

If successful game server responds with a HTTP 302 status (Redirection to the respective game launch URL). We expect the operator to hit the game launch URL in browser directly for seamless redirection to game URL. But if the URL is being proxied or invoked as REST

endpoint, *"**follow redirects***" should be set to false for the request and instead of reading the response body, location header should be read which contains the game redirection URL.*

ERROR CODES:

In the event of failure during game launch following are possible error codes

Error Code	Message	Http Status
0000	Unknown internal error	500
9000	Invalid game launch parameters	400
1000	Game Session not found	401
1001	Game Session expired	403
2001	*Game skin not associated to brand*	*400*

SLOTS GAME CONFIG

API to get the configuration of the slot game like reel layout, conus configuration, symbol stake multiplier, paylines.

ENDPOINT URL:

/api/games/slots/config?gameSkin=[gameSkin]

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```
{
  "autoSpinEnabled": true,
  "realityCheckEnabled": true,
  "depositUrl": "https://gs7.qa.markor.com/demo/index.html",
  "historyUrl": "https://gs7.qa.markor.com/demo/index.html",
  "domainName": "https://gs7.qa.markor.com/demo/index.html",
  "loginUrl": "https://gs7.qa.markor.com/demo/index.html",
  "demoPlayDepositUrl": "https://gs7.qa.markor.com/demo/index.html",
  "loader": "https://content.markor.com/content/all/images/cool-games.jpg",
  "gameConfiguration": {
    "name": "9 Line - 96.25%  RTP with scatters",
    "maxPaylines": 9,
    "paylineOffsets": [
      [
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        1,
        1,
        1,
        1
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        2,
        2,
        2,
        2,
        2
      ],
      [
        0,
        1,
        2,
        1,
        0
      ],
```

```
    [
      2,
      1,
      0,
      1,
      2
    ],
    [
      1,
      0,
      0,
      0,
      1
    ],
    [
      1,
      2,
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      2,
      1
    ],
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      2,
      2,
      1,
      0,
      0
    ],
    [
      0,
      0,
      1,
      2,
      2
    ]
  ],
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            "E",
            "A",
            "B",
            "G",
            "J",
            "I",
            "E",
            "D",
            "F",
            "SCATTER",
            "I",
```

```json
      "H",
      "C",
      "B",
      "A",
      "C",
      "I",
      "J",
      "E",
      "F",
      "I",
      "H",
      "K",
      "I",
      "H",
      "D",
      "E"
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  },
  {
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      "I",
      "D",
      "K",
      "G",
      "H",
      "I"
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    "reelSize": 30
  },
  {
```

```
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        "A",
        "D",
        "G",
        "J",
        "H",
        "F",
        "J",
        "SCATTER",
        "C",
        "A",
        "F",
        "K",
        "J",
        "H",
        "E",
        "F",
        "J",
        "G",
        "C",
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        "D",
        "A",
        "H",
        "J",
        "I",
        "H"
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    {
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        "G",
        "K",
        "F",
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        "H",
        "G",
        "K",
        "J",
        "I",
        "C",
        "G",
        "D",
        "E",
```

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          "C",
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          "J",
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          "D",
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          "G",
          "B",
          "D",
          "J",
          "C",
          "F",
          "K",
          "I",
```

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                  "E",
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                  "B",
                  "D"
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               "reelSize": 44
            }
         ],
         "weight": 100,
         "reelCount": 5
       }
    ],
    "bonusConfiguration": {
      "freeSpinConfiguration": {
        "freeSpinSymbolOccurrenceMultipliers": {
          "3": 15,
          "4": 15,
          "5": 15
        },
        "reelLayouts": [
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            "reels": [
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                "symbols": [
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                  "A",
                  "B",
                  "G",
                  "J",
                  "I",
                  "E",
                  "D",
                  "F",
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                  "H",
                  "C",
                  "B",
                  "A",
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                  "I",
                  "J",
                  "E",
                  "F",
                  "I",
                  "H",
                  "K",
                  "I",
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                  "D",
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```
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        "I"
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        "A",
        "F",
```

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              "I",
              "H"
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          },
          {
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              "K",
              "F",
              "E",
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              "C",
              "SCATTER",
              "F",
              "B",
              "A",
              "E",
              "F",
              "J",
              "K"
            ],
            "reelSize": 30
          },
          {
            "symbols": [
```

```json
            "WILD",
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            "I",
            "H",
            "D",
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            "B",
            "E",
            "J",
            "F",
            "D",
            "I",
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            "J",
            "F",
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            "K",
            "I",
            "A",
            "E",
            "SCATTER",
            "B",
            "D"
          ],
          "reelSize": 44
        }
      ],
      "weight": 100,
      "reelCount": 5
    }
  ],
  "minimumFreeSpinSymbolsToWin": null,
  "freeSpinWeightConfiguration": null,
  "multiplier": 3,
```

```json
      "lockExpandingWilds": false,
      "freeSpinSymbol": "SCATTER"
    },
    "stickyWildsConfiguration": {
      "multiplier": 1,
      "reelLayouts": [

      ],
      "stickyWildPatterns": [

      ],
      "minimumSymbolsToWin": null,
      "maximumSpinsToAward": 0
    },
    "multiOneOfXConfiguration": null
  },
  "symbolStakeMultipliers": {
    "SCATTER": [
      0,
      2,
      5,
      20,
      500
    ],
    "WILD": [
      0,
      10,
      200,
      2000,
      10000
    ],
    "A": [
      0,
      3,
      25,
      100,
      750
    ],
    "B": [
      0,
      2,
      25,
      100,
      750
    ],
    "C": [
      0,
      0,
      15,
      100,
      400
    ],
    "D": [
      0,
      0,
```

```
      10,
      75,
      250
    ],
    "E": [
      0,
      0,
      10,
      50,
      250
    ],
    "F": [
      0,
      0,
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      50,
      125
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    "G": [
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      0,
      5,
      50,
      125
    ],
    "H": [
      0,
      0,
      5,
      25,
      100
    ],
    "I": [
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      0,
      5,
      25,
      100
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    "J": [
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      0,
      5,
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      100
    ],
    "K": [
      0,
      2,
      5,
      25,
      100
    ]
  },
  "visibleRows": 3,
```

```
      "wildMultiplier": 2
    },
    "winningCelebrations": [
      {
        "name": "bigwin",
        "stakeToWinningsRatioConsequent": 30
      },
      {
        "name": "hugewin",
        "stakeToWinningsRatioConsequent": 50
      },
      {
        "name": "gaintwin",
        "stakeToWinningsRatioConsequent": 75
      }
    ],
    "stakeConfig": {
      "GBP": {
        "minStake": 0.01,
        "maxStake": 25,
        "stakeLadder": [
          0.1,
          0.75,
          0.25,
          0.5,
          1
        ]
      },
      "USD": {
        "minStake": 0.01,
        "maxStake": 25,
        "stakeLadder": [
          0.1,
          0.75,
          0.25,
          0.5,
          1
        ]
      }
    }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

SLOTS INITIALIZE

API to get all the basic player details like player account balances, reality check info, custom stake settings if any configured for the player. Game Play State object is null for regular plays. But if there are unfinished games, gamePlayState is returned with the unfinished game.

ENDPOINT URL:

/api/player/initialise?gameSkin=[gameSkin]

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS WITH PENDING FREESPINS FOR GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "sessionLimit": 600,
        "elapsedTime": 60
      }
    },
    "regulations": [
      "UKGC",
      "US"
    ],
    "sessionElapsedTime": 10,
    "stakeLadder": null
  },
  "gamePlayState": null,
  "freeSpinState": {
```

```
      "playerFreeSpinId": "5b2aae28a3ffe4146e3f503d",
      "freeSpinsRemaining": 5,
      "freeSpinsAwarded": 10,
      "totalWin": {
        "amount": 20.00,
        "currency": "USD",
        "pretty": "USD 20.00"
      }
    }
}
```

RESPONSE SAMPLE SUCCESS WITH UNFINISHED GAME

```
{
  "accountSettings": {
    "minStake": {
      "amount": 1.00,
      "currency": "USD",
      "pretty": "USD 1.00"
    },
    "maxStake": {
      "amount": 100.00,
      "currency": "USD",
      "pretty": "USD 100.00"
    },
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "playerWithhold": {
        "balance": {
          "amount": 300.00,
          "currency": "USD",
          "pretty": "USD 300.00"
        },
        "count": 2
      }
    },
    "rgSettings": {
      "realityCheckSettings": {
        "sessionLimit": 600,
```

```
      "elapsedTime": 60
    }
  },
  "regulations": [
    "UKGC",
    "US"
  ],
  "sessionElapsedTime": 10,
  "stakeLadder": {
    "USD": [
      0.01,
      0.05,
      0.1,
      0.15,
      0.2,
      0.25,
      0.5,
      1.0,
      2.0
    ]
  }
},
"freeSpinState": null,
"gamePlayState": {
  "gameRoundId": "5aad6ba1fb30760c1025703e",
  "gameRoundState": {
    "totalWinnings": {
      "amount": 0.00,
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalStake": {
      "amount": 0.45,
      "currency": "USD",
      "pretty": "USD 0.45"
    },
    "gameRoundStatus": "IN_PROGRESS",
    "bonusAwarded": "FREE_SPIN",
    "bonusGameResults": [

    ],
    "spinResults": [
      {
        "winnings": {
          "amount": 0.00,
          "currency": "USD",
          "pretty": "USD 0.00"
        },
        "slotsBonusContext": {
          "stickyWildsContext": null,
          "freeSpinContext": {
            "awardedSpins": 10,
            "remainingSpins": 10
          },
          "freeSpinsAwarded": 10,
```

```
        "freeSpinsRemaining": 10
      },
      "bonusAwarded": "FREE_SPIN",
      "autoPlayout": false,
      "reelSpinnerResult": {
        "reelPositionGrid": {
          "reelPositions": [
            [
              124,
              50,
              83,
              23,
              97
            ],
            [
              125,
              51,
              84,
              24,
              98
            ],
            [
              126,
              52,
              85,
              25,
              99
            ]
          ],
          "rowCount": 3,
          "columnCount": 5,
          "centralRow": [
            125,
            51,
            84,
            24,
            98
          ]
        },
        "symbolGrid": {
          "symbols": [
            [
              "B",
              "FREE_SPIN",
              "I",
              "J",
              "FREE_SPIN"
            ],
            [
              "F",
              "I",
              "F",
              "FREE_SPIN",
              "E"
            ],
```

```
                [
                  "C",
                  "D",
                  "WILD",
                  "G",
                  "I"
                ]
              ]
            }
          },
          "winningLines": [

          ],
          "freeSpinsAwarded": 10,
          "freeSpinsRemaining": 10,
          "centreVisibleRowReelStops": [
            125,
            51,
            84,
            24,
            98
          ]
        }
      ],
      "gameParams": {
        "stakePerLine": {
          "amount": 0.05,
          "currency": "USD",
          "pretty": "USD 0.05"
        },
        "payLineCount": 9
      },
      "expandingReels": [

      ],
      "stickyWildsContext": null,
      "latestSpinResult": {
        "winnings": {
          "amount": 0.00,
          "currency": "USD",
          "pretty": "USD 0.00"
        },
        "slotsBonusContext": {
          "stickyWildsContext": null,
          "freeSpinContext": {
            "awardedSpins": 10,
            "remainingSpins": 10
          },
          "freeSpinsAwarded": 10,
          "freeSpinsRemaining": 10
        },
        "bonusAwarded": "FREE_SPIN",
        "autoPlayout": false,
        "reelSpinnerResult": {
          "reelPositionGrid": {
```

```
            "reelPositions": [
              [
                124,
                50,
                83,
                23,
                97
              ],
              [
                125,
                51,
                84,
                24,
                98
              ],
              [
                126,
                52,
                85,
                25,
                99
              ]
            ],
            "rowCount": 3,
            "columnCount": 5,
            "centralRow": [
              125,
              51,
              84,
              24,
              98
            ]
          },
          "symbolGrid": {
            "symbols": [
              [
                "B",
                "FREE_SPIN",
                "I",
                "J",
                "FREE_SPIN"
              ],
              [
                "F",
                "I",
                "F",
                "FREE_SPIN",
                "E"
              ],
              [
                "C",
                "D",
                "WILD",
                "G",
                "I"
```

```
                ]
            ]
        }
    },
    "winningLines": [

    ],
    "freeSpinsAwarded": 10,
    "freeSpinsRemaining": 10,
    "centreVisibleRowReelStops": [
      125,
      51,
      84,
      24,
      98
    ]
  }
},
  "status": "ACTIVE"
  }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

SLOTS SPIN

API to trigger the spin for the slots game. For Regular Spin, status is returned as COMPLETE with winning pay lines and amount. When free spins are won, status is returned as IN_PROGRESS with no of free spins won and free spins remaining. Subsequent request for free spin should be a "FREESPIN CONTINUE" until the number of free spins remaining is zero.

ENDPOINT URL:

/api/games/slots/spin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameSkin": "candy-swap",
  "stake": {
    "amount": 0.05
  },
  "numberOfLines": 9
}
```

RESPONSE SAMPLE SUCCESS

```
{
  "gameRoundId": "5aad6c73fb30760c1025703f",
  "demoPlay": false,
  "stakePerLine": {
    "amount": 0.05,
    "currency": "USD",
    "pretty": "USD 0.05"
  },
  "numberOfLines": 9,
  "reelStops": [
    20,
    18,
    123,
    125,
    31
  ],
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "status": "COMPLETE",
  "isGambleEligible": false,
  "balance": {
    "cashBalance": {
      "amount": "498.95",
      "currency": "USD",
      "pretty": "USD 498.95"
    },
    "bonusBalance": {
```

```
      "amount": "200.00",
      "currency": "USD",
      "pretty": "USD 200.00"
    },
    "totalBalance": {
      "amount": "698.95",
      "currency": "USD",
      "pretty": "USD 698.95"
    },
    "playerWithhold": {
      "balance": {
        "amount": "300.00",
        "currency": "USD",
        "pretty": "USD 300.00"
      },
      "count": 2
    }
  },
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "stickyWildsItems": null,
  "expandingReels": [

  ],
  "messageDetails": {
    "message": "You have been playing for 2 hours and <br> your total wager is
: 000 <br> Do you want to Continue?",
    "messageType": "REALITY_CHECK",
    "title": "SE Reality Check",
    "actions": {
      "Close": "",
      "History": "/history",
      "Continue": ""
    }
  }
}
```

RESPONSE SAMPLE SLOTS FREE SPIN SUCCESS

```
{
  "gameRoundId": "5aad6ba1fb30760c1025703e",
  "demoPlay": false,
  "stakePerLine": {
    "amount": 0.05,
    "currency": "USD",
    "pretty": "USD 0.05"
  },
  "numberOfLines": 9,
  "reelStops": [
```

```
        111,
        83,
        13,
        116,
        9
    ],
    "freeSpinsRemaining": 9,
    "freeSpinsWon": 9,
    "bonusAwarded": "FREE_SPIN",
    "isGambleEligible": false,
    "status": "IN_PROGRESS",
    "balance": {
        "cashBalance": {
            "amount": "499.10",
            "currency": "USD",
            "pretty": "USD 499.10"
        },
        "bonusBalance": {
            "amount": "200.00",
            "currency": "USD",
            "pretty": "USD 200.00"
        },
        "totalBalance": {
            "amount": "699.10",
            "currency": "USD",
            "pretty": "USD 699.10"
        },
        "playerWithhold": {
            "balance": {
                "amount": 300.00,
                "currency": "USD",
                "pretty": "USD 300.00"
            },
            "count": 2
        }
    },
    "spinPayout": 0.00,
    "totalPayout": 0.00,
    "winningCelebration": null,
    "winningLines": [

    ],
    "winningLineAmounts": [

    ],
    "stickyWildsItems": null,
    "expandingReels": [

    ],
    "messageDetails": {
        "message": "You have been playing for 2 hours and <br> your total wager is
: 000 <br> Do you want to Continue?",
        "messageType": "REALITY_CHECK",
        "title": "SE Reality Check",
        "actions": {
```

```
    "Close": "",
    "History": "/history",
    "Continue": ""
    }
  }

}
```

RESPONSE SAMPLE FAILURE

```json
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
stake- currency, amount	*Required*	*Bet Amount and currency*
numberOfLines	*Required*	*Number of lines bet on*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

SLOTS FREESPIN CONTINUE

Freespin API which is invoked when free spins are won in the regular spin request. Continue request needs to be sent until all the freespins are played out. All the free spins are bound to the same game round.

ENDPOINT URL:

/api/games/slots/continue

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameSkin": "candy-swap",
  "gameRoundId": "5aad6ba1fb30760c1025703e"
}
```

RESPONSE SAMPLE SLOTS INTERMEDIATE FREE SPIN SUCCESS

```
{
  "gameRoundId": "5aad6ba1fb30760c1025703e",
  "demoPlay": false,
  "stakePerLine": {
    "amount": 0.05,
    "currency": "USD",
    "pretty": "USD 0.05"
  },
  "numberOfLines": 8,
  "reelStops": [
    111,
    83,
    13,
    116,
    9
  ],
  "freeSpinsRemaining": 9,
  "freeSpinsWon": 0,
  "bonusAwarded": "FREE_SPIN",
  "isGambleEligible": false,
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "499.10",
      "currency": "USD",
      "pretty": "USD 499.10"
    },
    "bonusBalance": {
      "amount": "200.00",
      "currency": "USD",
      "pretty": "USD 200.00"
    },
    "totalBalance": {
      "amount": "699.10",
```

```
          "currency": "USD",
          "pretty": "USD 699.10"
        },
        "playerWithhold": {
          "balance": {
            "amount": "300.00",
            "currency": "USD",
            "pretty": "USD 300.00"
          },
          "count": 2
        }
      },
      "spinPayout": 0.00,
      "totalPayout": 0.00,
      "winningCelebration": null,
      "winningLines": [

      ],
      "winningLineAmounts": [

      ],
      "stickyWildsItems": null,
      "expandingReels": [

      ],
      "messageDetails": {
        "message": "You have been playing for 2 hours and <br> your total wager is
: 000 <br> Do you want to Continue?",
        "messageType": "REALITY_CHECK",
        "title": "SE Reality Check",
        "actions": {
          "Close": "",
          "History": "/history",
          "Continue": ""
        }
      }
    }

}
```

RESPONSE SAMPLE SLOTS LAST FREE SPIN SUCCESS

```
{
  "gameRoundId": "5aad6ba1fb30760c1025703e",
  "demoPlay": false,
  "stakePerLine": {
    "amount": 0.05,
    "currency": "USD",
    "pretty": "USD 0.05"
  },
  "numberOfLines": 9,
  "reelStops": [
    93,
    112,
    32,
    78,
    77
```

```
  ],
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "isGambleEligible": true,
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "499.40",
      "currency": "USD",
      "pretty": "USD 499.40"
    },
    "bonusBalance": {
      "amount": "200.00",
      "currency": "USD",
      "pretty": "USD 200.00"
    },
    "totalBalance": {
      "amount": "699.40",
      "currency": "USD",
      "pretty": "USD 699.40"
    },
    "playerWithhold": {
      "balance": {
        "amount": "300.00",
        "currency": "USD",
        "pretty": "USD 300.00"
      },
      "count": 2
    }
  },
  "spinPayout": 0.25,
  "totalPayout": 0.75,
  "winningCelebration": null,
  "winningLines": [
    7
  ],
  "winningLineAmounts": [
    0.25
  ],
  "stickyWildsItems": null,
  "expandingReels": [

  ],
  "messageDetails": {
    "message": "You have been playing for 2 hours and <br> your total wager is
: 000 <br> Do you want to Continue?",
    "messageType": "REALITY_CHECK",
    "title": "SE Reality Check",
    "actions": {
      "Close": "",
      "History": "/history",
      "Continue": ""
    }
  }
```

```
}
```

RESPONSE SAMPLE FAILURE

```json
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
gameRoundId	*Required*	*Game Round of the triggering spin*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

SLOTS AWARDED FREESPINS

Awarded Freespins API which is invoked when free spins are awarded by the operator and the player freespin id is passed as part of the initialize reponse. Freespins request needs to be sent until all the all the freespins awarded are played out by the player. The last free spin response would return if there are any unfinished games pending for the player and the current game

ENDPOINT URL:

/api/games/slots/freespin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "playerFreeSpinId": "5b2aae28a3ffe4146e3f503d",
  "gameSkin": "candy-swap"
}
```

RESPONSE SAMPLE SLOTS INTERMEDIATE AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5b2aca1305e7c51844c433d7",
  "demoPlay": false,
  "stakePerLine": {
    "amount": 1.00,
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 9,
  "reelStops": [
    37,
    112,
    121,
    86,
    118
  ],
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "505.00",
      "currency": "USD",
      "pretty": "USD 505.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
```

```
    },
    "totalBalance": {
      "amount": "505.00",
      "currency": "USD",
      "pretty": "USD 505.00"
    },
    "playerWithhold": null
  },
  "spinPayout": 5.00,
  "totalPayout": 5.00,
  "winningCelebration": null,
  "winningLines": [
    1
  ],
  "winningLineAmounts": [
    5.00
  ],
  "winningWays": [

  ],
  "stickyWildsItems": null,
  "wheelBonus": null,
  "expandingReels": [

  ],
  "isGambleEligible": true,
  "freeSpinState": {
    "playerFreeSpinId": "5b2aae28a3ffe4146e3f503d",
    "freeSpinsRemaining": 3,
    "freeSpinsAwarded": 10,
    "totalWin": {
      "amount": 25.00,
      "currency": "USD",
      "pretty": "USD 25.00"
    }
  },
  "unfinishedGame": null,
  "messageDetails": {
    "message": "You have been playing for 2 hours and <br> your total wager is
: 000 <br> Do you want to Continue?",
    "messageType": "REALITY_CHECK",
    "title": "SE Reality Check",
    "actions": {
      "Close": "",
      "History": "/history",
      "Continue": ""
    }
  }

}
```

RESPONSE SAMPLE SLOTS LAST AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5b2acd9105e7c518ad1aac46",
  "demoPlay": false,
  "stakePerLine": {
    "amount": 1.00,
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 9,
  "reelStops": [
    96,
    32,
    54,
    12,
    76
  ],
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "500.00",
      "currency": "USD",
      "pretty": "USD 500.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "500.00",
      "currency": "USD",
      "pretty": "USD 500.00"
    },
    "playerWithhold": null
  },
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "winningWays": [

  ],
  "stickyWildsItems": null,
  "wheelBonus": null,
  "expandingReels": [
```

```
      ],
      "isGambleEligible": false,
      "freeSpinState": {
        "playerFreeSpinId": "5b2aae28a3ffe4146e3f503d",
        "freeSpinsRemaining": 0,
        "freeSpinsAwarded": 10,
        "totalWin": {
          "amount": 27.00,
          "currency": "USD",
          "pretty": "USD 27.00"
        }
      },
      "unfinishedGame": {
        "gameRoundId": "5b2acad005e7c51844c433d8",
        "gameRoundState": {
          "totalWinnings": {
            "amount": 127.00,
            "currency": "USD",
            "pretty": "USD 127.00"
          },
          "totalStake": {
            "amount": 9.00,
            "currency": "USD",
            "pretty": "USD 9.00"
          },
          "gameRoundStatus": "IN_PROGRESS",
          "gameRoundExtendedParams": null,
          "bonusAwarded": "FREE_SPIN",
          "bonusGameResults": [

          ],
          "spinResults": [
            {
              "winnings": {
                "amount": 0.00,
                "currency": "USD",
                "pretty": "USD 0.00"
              },
              "slotsBonusContext": {
                "stickyWildsContext": null,
                "freeSpinContext": {
                  "awardedSpins": 10,
                  "remainingSpins": 10
                },
                "wheelBonusContext": null,
                "freeSpinsRemaining": 10,
                "freeSpinsAwarded": 10
              },
              "bonusAwarded": "FREE_SPIN",
              "autoPlayout": false,
              "reelSpinnerResult": {
                "reelPositionGrid": {
                  "reelPositions": [
                    [
```

```
            0,
            8,
            8,
            8,
            0
          ],
          [
            1,
            9,
            9,
            9,
            1
          ],
          [
            2,
            10,
            10,
            10,
            2
          ]
        ],
        "rowCount": 3,
        "columnCount": 5,
        "topRow": [
          0,
          8,
          8,
          8,
          0
        ]
      },
      "symbolGrid": {
        "symbols": [
          [
            "E",
            "FREE_SPIN",
            "FREE_SPIN",
            "FREE_SPIN",
            "E"
          ],
          [
            "H",
            "I",
            "H",
            "D",
            "H"
          ],
          [
            "B",
            "H",
            "G",
            "H",
            "B"
          ]
        ]
```

```
        }
      },
      "winningLines": [

      ],
      "winningWays": [

      ],
      "freeSpinsRemaining": 10,
      "topVisibleRowReelStops": [
        0,
        8,
        8,
        8,
        0
      ],
      "freeSpinsAwarded": 10
    },
    {
      "winnings": {
        "amount": 60.00,
        "currency": "USD",
        "pretty": "USD 60.00"
      },
      "slotsBonusContext": {
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        "freeSpinContext": {
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          "remainingSpins": 9
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        "reelPositionGrid": {
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              5,
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              6
            ],
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              6,
              6,
              6,
              7,
              7
            ],
            [
              7,
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          7,
          7,
          8,
          8
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        6
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          "G",
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          "D"
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          "D",
          "D",
          "J",
          "J"
        ],
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          "J",
          "J",
          "J",
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          "FREE_SPIN"
        ]
      ]
    }
  },
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          "D",
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            5,
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            6
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            "currency": "USD",
            "pretty": "USD 12.00"
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              "remainingSpins": 8
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            "wheelBonusContext": null,
            "freeSpinsRemaining": 8,
```

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              3,
              2,
              2
            ],
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              4,
              4,
              3,
              3
            ],
            [
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              5,
              4,
              4
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            3,
            2,
            2
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              "I",
              "I",
              "B",
              "B"
            ],
            [
              "G",
              "WILD",
              "WILD",
              "I",
              "I"
            ],
```

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                  ]
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                      "I"
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              ],
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```

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              107
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              81,
              119,
              108
            ],
            [
              65,
              92,
              82,
              120,
              109
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          "columnCount": 5,
          "topRow": [
```

```
                63,
                90,
                80,
                118,
                107
            ]
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              "A",
              "I"
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              "G",
              "J",
              "C"
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              "E",
              "C",
              "D",
              "G"
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        31,
        74
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        65,
        36,
        32,
        75
      ],
      [
        43,
        66,
        37,
        33,
        76
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      35,
      31,
      74
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  "symbolGrid": {
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        "FREE_SPIN"
```

```json
        ],
        [
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          "E",
          "WILD",
          "I"
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        [
          "H",
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          "WILD",
          "G",
          "E"
        ]
      ]
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          "G",
          "E"
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    31,
```

```
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        "remainingSpins": 6
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            74
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            75
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```

```
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            37,
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            76
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            "I"
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            "E"
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            "E"
          ]
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        "multiplier": 5,
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```

```json
      },
      {
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        },
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    "winningWays": [

    ],
    "freeSpinsRemaining": 6,
    "topVisibleRowReelStops": [
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      64,
      35,
      31,
      74
    ],
    "freeSpinsAwarded": 0
  }
  },
  "status": "ACTIVE"
  }
}
```

RESPONSE SAMPLE FAILURE

```json
{
  "code": "7003",
  "description": "Invalid Player Free Spin ID"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	Required	Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.
playerFreeSpinId	Required	Player free spin id provided in initialize response

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round
7002	Invalid Player for the campaign
7003	Invalid Player Free Spin ID

ALL WAYS SLOTS GAME CONFIG

API to get the configuration of the all ways slot game like reel layout, bonus configuration, symbol stake multiplier, payways, wheel configuration.

ENDPOINT URL:

/api/games/slots/config?gameSkin=[gameSkin]

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```
{
  "autoSpinEnabled": true,
  "realityCheckEnabled": true,
  "depositUrl": "http://test-brand.dev.markor.com/",
  "historyUrl": "http://test-brand.dev.markor.com/",
  "domainName": "http://test-brand.dev.markor.com/",
  "loginUrl": "http://test-brand.dev.markor.com/",
  "demoPlayDepositUrl": "https://gs7.qa.markor.com/demo/index.html",
  "loader": "https://content.markor.com/content/all/images/cool-games.jpg",
  "gameConfiguration": {
    "name": "1024 Ways Slots - 95.9544% RTP",
    "winType": "ALL_WAYS",
    "maxPaylines": null,
    "maxPayWays": 1024,
    "betMultiples": 40,
    "maxWinCap": 80000,
    "paylineOffsets": null,
    "reelLayouts": [
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        "reels": [
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              "K",
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```

```
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    },
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        "freeSpinConfiguration": {
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            "J",
            "F",
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"J",
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"J",
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"WILD",
"F",
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```

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            "WHEEL",
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                        "J",
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                        "WHEEL",
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                        "B",
                        "B",
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                        "H",
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                        "WHEEL",
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                        "C",
                        "G",
                        "C",
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                        "G",
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                        "I",
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                        "J"
                    ],
                    "reelSize": 93
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                {
```

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  "A",
  "A",
  "I",
  "A",
  "A",
  "A",
  "F",
  "J",
  "F",
  "J",
  "E",
  "E",
  "G",
  "H",
  "G",
  "H",
  "I",
  "B",
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  "F",
  "B",
  "B",
  "B",
  "I",
  "B",
  "B",
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  "I",
  "K",
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  "K",
  "H",
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  "F",
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  "G",
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  "C",
  "I",
  "C",
  "C",
  "C",
  "F",
  "G",
  "F",
```

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                "I",
                "D",
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                "D",
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                "G",
                "D",
                "D",
                "D",
                "K",
                "J",
                "K",
                "J",
                "H",
                "I"
              ],
              "reelSize": 77
            }
          ],
          "weight": 100,
          "reelCount": 5
        }
      ],
      "minimumFreeSpinSymbolsToWin": null,
      "freeSpinWeightConfiguration": null,
      "multiplier": 1,
      "lockExpandingWilds": false,
      "freeSpinSymbol": "FREE_SPIN"
    },
    "stickyWildsConfiguration": null,
    "multiOneOfXConfiguration": null,
    "wheelBonusConfiguration": {
      "minimumSymbolsToWin": 3,
      "wheelValuesMultiplier": 2,
      "additionalFreeSpins": 4,
      "wheelPositions": {
        "0": {
          "index": null,
          "type": "CREDITS",
          "value": 1000
        },
        "1": {
          "index": null,
          "type": "FREE_SPINS",
          "value": 6
        },
        "2": {
```

```
      "index": null,
      "type": "CREDITS",
      "value": 200
    },
    "3": {
      "index": null,
      "type": "FREE_SPINS",
      "value": 20
    },
    "4": {
      "index": null,
      "type": "CREDITS",
      "value": 400
    },
    "5": {
      "index": null,
      "type": "FREE_SPINS",
      "value": 9
    },
    "6": {
      "index": null,
      "type": "CREDITS",
      "value": 600
    },
    "7": {
      "index": null,
      "type": "FREE_SPINS",
      "value": 12
    },
    "8": {
      "index": null,
      "type": "CREDITS",
      "value": 400
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    "9": {
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      "type": "FREE_SPINS",
      "value": 6
    },
    "10": {
      "index": null,
      "type": "CREDITS",
      "value": 800
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    "11": {
      "index": null,
      "type": "FREE_SPINS",
      "value": 8
    },
    "12": {
      "index": null,
      "type": "CREDITS",
      "value": 200
    },
    "13": {
```

```
          "index": null,
          "type": "FREE_SPINS",
          "value": 12
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        "14": {
          "index": null,
          "type": "CREDITS",
          "value": 400
        },
        "15": {
          "index": null,
          "type": "FREE_SPINS",
          "value": 9
        },
        "16": {
          "index": null,
          "type": "CREDITS",
          "value": 600
        },
        "17": {
          "index": null,
          "type": "FREE_SPINS",
          "value": 14
        },
        "18": {
          "index": null,
          "type": "CREDITS",
          "value": 400
        },
        "19": {
          "index": null,
          "type": "FREE_SPINS",
          "value": 8
        }
      }
    }
  },
  "symbolStakeMultipliers": {
    "A": [
      0,
      10,
      50,
      100,
      300
    ],
    "B": [
      0,
      0,
      40,
      80,
      120
    ],
    "C": [
      0,
      0,
```

```
        40,
        80,
        120
      ],
      "D": [
        0,
        0,
        20,
        60,
        100
      ],
      "E": [
        0,
        0,
        20,
        60,
        100
      ],
      "F": [
        0,
        0,
        10,
        40,
        80
      ],
      "G": [
        0,
        0,
        10,
        40,
        80
      ],
      "H": [
        0,
        0,
        5,
        20,
        80
      ],
      "I": [
        0,
        0,
        5,
        20,
        80
      ],
      "J": [
        0,
        0,
        5,
        10,
        80
      ],
      "K": [
        0,
```

```
        0,
        5,
        10,
        80
      ]
    },
    "visibleRows": 4,
    "noOfReels": 5,
    "wildMultiplier": 1,
    "scatterMultipliers": null
  },
  "winningCelebrations": [
    {
      "name": "bigwin",
      "stakeToWinningsRatioConsequent": 5
    },
    {
      "name": "hugewin",
      "stakeToWinningsRatioConsequent": 10
    },
    {
      "name": "gaintwin",
      "stakeToWinningsRatioConsequent": 25
    }
  ],
  "stakeConfig": {
    "GBP": {
      "minStake": 40,
      "maxStake": 200,
      "stakeLadder": [
        80,
        160,
        40,
        120,
        200
      ]
    },
    "USD": {
      "minStake": 40,
      "maxStake": 200,
      "stakeLadder": [
        80,
        160,
        40,
        120,
        200
      ]
    }
  }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
```

```
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

ALL WAYS SLOTS INITIALIZE

API to get all the basic player details like player account balances, reality check info, custom stake settings if any configured for the player. Game Play State object is null for regular plays. But if there are unfinished games, gamePlayState is returned with the unfinished game.

ENDPOINT URL:

/api/player/initialise?gameSkin=[gameSkin]

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

Response would be same as Slots Initialize

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

ALL WAYS SLOTS SPIN

API to trigger the spin for the all ways slots game. For Regular Spin, status is returned as COMPLETE with winning ways and amount. When a wheel bonus is won, status is returned as IN_PROGRESS with wheel configuration and no of free spins won and free spins remaining. Subsequent request for free spin should be a "ALL WAYS FREESPIN CONTINUE" until the number of free spins remaining is zero.

ENDPOINT URL:

/api/games/slots/spin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameSkin": "classic-vegas",
  "stake": {
    "amount": 40
  }
}
```

RESPONSE SAMPLE SUCCESS

```
{
  "gameRoundId": "5af99786375baf6ba3733f23",
  "demoPlay": false,
  "stakePerLine": null,
  "numberOfLines": null,
  "reelStops": [
    15,
    24,
    75,
    4,
    33
  ],
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "640.00",
      "currency": "USD",
      "pretty": "$ 640.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "640.00",
```

```
      "currency": "USD",
      "pretty": "$ 640.00"
    },
    "playerWithhold": null
  },
  "spinPayout": 180.00,
  "totalPayout": 180.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "winningWays": [
    {
      "symbol": "E",
      "multiplier": 20,
      "payWays": 9,
      "noOfSymbolsByReel": [
        3,
        1,
        3
      ]
    }
  ],
  "stickyWildsItems": null,
  "wheelBonus": null,
  "expandingReels": [

  ],
  "messageDetails": {
    "message": "You have been playing for 2 hours and <br> your total wager is
: 000 <br> Do you want to Continue?",
    "messageType": "REALITY_CHECK",
    "title": "SE Reality Check",
    "actions": {
      "Close": "",
      "History": "/history",
      "Continue": ""
    }
  }
}
```

RESPONSE SAMPLE SLOTS FREE SPIN SUCCESS

```
{
  "gameRoundId": "5af992a3375baf6ba3733f21",
  "demoPlay": false,
  "stakePerLine": null,
  "numberOfLines": null,
  "reelStops": [
    0,
    14,
    12,
```

```
    28,
    9
  ],
  "freeSpinsRemaining": 20,
  "freeSpinsWon": 20,
  "bonusAwarded": "WHEEL_BONUS",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "460.00",
      "currency": "USD",
      "pretty": "$ 460.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "460.00",
      "currency": "USD",
      "pretty": "$ 460.00"
    },
    "playerWithhold": null
  },
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "winningWays": [

  ],
  "stickyWildsItems": null,
  "wheelBonus": {
    "awardedSpins": 20,
    "remainingSpins": 20,
    "wheelPosition": {
      "index": 3,
      "type": "FREE_SPINS",
      "value": 20
    },
    "multiplier": 1
  },
  "expandingReels": [

  ],
  "messageDetails": {
    "message": "You have been playing for 2 hours and <br> your total wager is
: 000 <br> Do you want to Continue?",
    "messageType": "REALITY_CHECK",
```

```
    "title": "SE Reality Check",
    "actions": {
      "Close": "",
      "History": "/history",
      "Continue": ""
    }
  }

}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	Required	Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.
stake- currency, amount	Required	Bet Amount and currency
numberOfLines	Required	Number of lines bet on

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

ALL WAYS SLOTS FREESPIN CONTINUE

Freespin API which is invoked when free spins are won in the regular spin request. Continue request needs to be sent until all the freespins are played out. All the free spins are bound to the same game round.

ENDPOINT URL:

/api/games/slots/continue

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameSkin": "classic-vegas",
  "gameRoundId": "5aad6ba1fb30760c1025703e"
}
```

RESPONSE SAMPLE SLOTS INTERMEDIATE FREE SPIN SUCCESS

```
{
  "gameRoundId": "5af992a3375baf6ba3733f21",
  "demoPlay": false,
  "stakePerLine": null,
  "numberOfLines": null,
  "reelStops": [
    7,
    71,
    70,
    29,
    7
  ],
  "freeSpinsRemaining": 17,
  "freeSpinsWon": 20,
  "bonusAwarded": "WHEEL_BONUS",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "460.00",
      "currency": "USD",
      "pretty": "$ 460.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "460.00",
      "currency": "USD",
      "pretty": "$ 460.00"
    },
    "playerWithhold": null
  },
```

```
  "spinPayout": 0.00,
  "totalPayout": 240.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "winningWays": [

  ],
  "stickyWildsItems": null,
  "wheelBonus": {
    "awardedSpins": 20,
    "remainingSpins": 17,
    "wheelPosition": null,
    "multiplier": 1
  },
  "expandingReels": [

  ],
  "messageDetails": {
    "message": "You have been playing for 2 hours and <br> your total wager is
: 000 <br> Do you want to Continue?",
    "messageType": "REALITY_CHECK",
    "title": "SE Reality Check",
    "actions": {
      "Close": "",
      "History": "/history",
      "Continue": ""
    }
  }

}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
gameRoundId	*Required*	*Game Round of the triggering spin*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

GAMBLE DRAW

If the isGambleEligible is set to true in the spin response, player has an option to play the gamble game. Original gameRoundId has to be sent in the request payload, so that stake amount and gamble attempts can be validated for the round.

ENDPOINT URL:

/api/games/draw

REQUEST METHOD: POST

REQUEST PAYLOAD

```json
{
  "gameRoundId": "5b1589d2dcebdc1db46696a3",
  "stake": {
    "amount": 10,
    "currency": "USD"
  },
  "symbolPicked": "B",
  "type": "ONEOFTWO"
}
```

RESPONSE SAMPLE SUCCESS

```json
{
  "gameRoundId": "5ba134ecdcebdc25ff14b77c",
  "demoPlay": false,
  "stake": {
    "amount": "10",
    "currency": "USD",
    "pretty": "USD 10"
  },
  "symbolPicked": "R",
  "game": "ONEOFTWO",
  "symbolDrawn": "B",
  "multiplier": 0,
  "winType": "NONE",
  "drawWinnings": {
```

```
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "balance": {
      "cashBalance": {
        "amount": "497.30",
        "currency": "USD",
        "pretty": "USD 497.30"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "497.30",
        "currency": "USD",
        "pretty": "USD 497.30"
      },
      "playerWithhold": null
    },
    "parentGameRoundId": "5ba134cedcebdc25ff14b77b",
    "status": "COMPLETE",
    "isGambleEligible": false,
    "history": [
      {
        "symbolDrawn": "B",
        "multiplier": 0,
        "winType": "NONE",
        "drawWinnings": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "USD 0.00"
        }
      },
      {
        "symbolDrawn": "B",
        "multiplier": 0,
        "winType": "NONE",
        "drawWinnings": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "USD 0.00"
        }
      },
      {
        "symbolDrawn": "B",
        "multiplier": 0,
        "winType": "NONE",
        "drawWinnings": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "USD 0.00"
        }
      }
```

```
    },
    {
      "symbolDrawn": "B",
      "multiplier": 0,
      "winType": "NONE",
      "drawWinnings": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      }
    },
    {
      "symbolDrawn": "B",
      "multiplier": 0,
      "winType": "NONE",
      "drawWinnings": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      }
    },
    {
      "symbolDrawn": "R",
      "multiplier": 2,
      "winType": "WIN",
      "drawWinnings": {
        "amount": "14.40",
        "currency": "USD",
        "pretty": "USD 14.40"
      }
    },
    {
      "symbolDrawn": "R",
      "multiplier": 2,
      "winType": "WIN",
      "drawWinnings": {
        "amount": "7.20",
        "currency": "USD",
        "pretty": "USD 7.20"
      }
    },
    {
      "symbolDrawn": "R",
      "multiplier": 2,
      "winType": "WIN",
      "drawWinnings": {
        "amount": "3.60",
        "currency": "USD",
        "pretty": "USD 3.60"
      }
    },
    {
      "symbolDrawn": "B",
      "multiplier": 0,
      "winType": "NONE",
```

```
    "drawWinnings": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    }
  },
  {
    "symbolDrawn": "R",
    "multiplier": 2,
    "winType": "WIN",
    "drawWinnings": {
      "amount": "4.00",
      "currency": "USD",
      "pretty": "USD 4.00"
    }
  }
  ]
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "3001",
  "description": "Game Round not eligible for gamble"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameRoundId	*Required*	*Game Round of the triggering gamble game (parent game Round Id)*
stake	*Required*	*Amount to be gambled*
type	*Required*	*Type of Gamble Game*
symbolPicked	*Required*	*Symbol Picked by the player*

GAMBLE GAME TYPES

Type	Allowed Symbols
ONEOFTWO	R, B (RED, BLACK)
ONEOFFOUR	S,D,H,C (SPADES, DIAMONDS, HEARTS, CLUBS)

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round
3001	Game round not eligible for gamble
4000	Invalid stake

COLLECT DRAW

If player decides to collect their winnings while being in a gamble round, collect API needs to be invoked by the game client. This would mark the game round as not eligible for any further gamble draws and would return a summary of original play along with all the gamble plays on that round.

ENDPOINT URL:

/api/games/draw/collect

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
   "gameRoundId": "5b167642dcebdc0a760afd04"
}
```

RESPONSE SAMPLE SUCCESS

```
{
   "balanceAfter": {
     "cashBalance": {
       "amount": "502.00",
       "currency": "USD",
       "pretty": "USD 502.00"
     },
     "bonusBalance": {
       "amount": "0.00",
       "currency": "USD",
       "pretty": "USD 0.00"
     },
     "totalBalance": {
       "amount": "502.00",
       "currency": "USD",
       "pretty": "USD 502.00"
     },
     "playerWithhold": null
   },
   "gameSkin": "candy-swap",
   "brand": "TEST-BRAND",
   "gameRoundState": {
     "totalWinnings": {
       "amount": 5.00,
       "currency": "USD",
       "pretty": "USD 5.00"
     },
     "totalStake": {
       "amount": 9.00,
       "currency": "USD",
       "pretty": "USD 9.00"
```

```
        },
    "gameRoundStatus": "COMPLETE",
    "gameRoundExtendedParams": null,
    "bonusAwarded": "NONE",
    "bonusGameResults": [

    ],
    "spinResults": [
      {
        "winnings": {
          "amount": 5.00,
          "currency": "USD",
          "pretty": "USD 5.00"
        },
        "slotsBonusContext": {
          "stickyWildsContext": null,
          "freeSpinContext": null,
          "wheelBonusContext": null,
          "freeSpinsRemaining": 0,
          "freeSpinsAwarded": 0
        },
        "bonusAwarded": null,
        "autoPlayout": false,
        "reelSpinnerResult": {
          "reelPositionGrid": {
            "reelPositions": [
              [
                127,
                41,
                113,
                29,
                96
              ],
              [
                0,
                42,
                114,
                30,
                97
              ],
              [
                1,
                43,
                115,
                31,
                98
              ]
            ],
            "rowCount": 3,
            "columnCount": 5,
            "topRow": [
              127,
              41,
              113,
              29,
```

```
          96
        ]
      },
      "symbolGrid": {
        "symbols": [
          [
            "J",
            "G",
            "F",
            "H",
            "H"
          ],
          [
            "E",
            "D",
            "H",
            "F",
            "FREE_SPIN"
          ],
          [
            "H",
            "H",
            "I",
            "J",
            "E"
          ]
        ]
      }
    },
    "winningLines": [
      {
        "symbolLine": {
          "symbols": [
            "H",
            "H",
            "H",
            "J",
            "E"
          ]
        },
        "multiplier": 5,
        "payLineIndex": 6
      }
    ],
    "winningWays": [

    ],
    "freeSpinsRemaining": 0,
    "topVisibleRowReelStops": [
      127,
      41,
      113,
      29,
      96
    ],
```

```json
          "freeSpinsAwarded": 0
      }
  ],
  "gameParams": {
    "stakePerLine": {
      "amount": 1.00,
      "currency": "USD",
      "pretty": "USD 1.00"
    },
    "payLineCount": 9,
    "stakeAmount": null
  },
  "expandingReels": [

  ],
  "latestSpinResult": {
    "winnings": {
      "amount": 5.00,
      "currency": "USD",
      "pretty": "USD 5.00"
    },
    "slotsBonusContext": {
      "stickyWildsContext": null,
      "freeSpinContext": null,
      "wheelBonusContext": null,
      "freeSpinsRemaining": 0,
      "freeSpinsAwarded": 0
    },
    "bonusAwarded": null,
    "autoPlayout": false,
    "reelSpinnerResult": {
      "reelPositionGrid": {
        "reelPositions": [
          [
            127,
            41,
            113,
            29,
            96
          ],
          [
            0,
            42,
            114,
            30,
            97
          ],
          [
            1,
            43,
            115,
            31,
            98
          ]
        ],
```

```
      "rowCount": 3,
      "columnCount": 5,
      "topRow": [
        127,
        41,
        113,
        29,
        96
      ]
    },
    "symbolGrid": {
      "symbols": [
        [
          "J",
          "G",
          "F",
          "H",
          "H"
        ],
        [
          "E",
          "D",
          "H",
          "F",
          "FREE_SPIN"
        ],
        [
          "H",
          "H",
          "I",
          "J",
          "E"
        ]
      ]
    }
  },
  "winningLines": [
    {
      "symbolLine": {
        "symbols": [
          "H",
          "H",
          "H",
          "J",
          "E"
        ]
      },
      "multiplier": 5,
      "payLineIndex": 6
    }
  ],
  "winningWays": [

  ],
  "freeSpinsRemaining": 0,
```

```
      "topVisibleRowReelStops": [
        127,
        41,
        113,
        29,
        96
      ],
      "freeSpinsAwarded": 0
    },
    "stickyWildsContext": null
  },
  "drawGames": [
    {
      "draw": {
        "drawParams": {
          "stake": {
            "amount": 5.00,
            "currency": "USD",
            "pretty": "USD 5.00"
          },
          "symbolPicked": "R",
          "game": "ONEOFTWO"
        },
        "drawResult": {
          "symbolDrawn": "R",
          "multiplier": 2,
          "winType": "WIN",
          "drawWinnings": {
            "amount": 10.00,
            "currency": "USD",
            "pretty": "USD 10.00"
          }
        }
      },
      "totalWinnings": {
        "amount": 10.00,
        "currency": "USD",
        "pretty": "USD 10.00"
      },
      "totalStake": {
        "amount": 5.00,
        "currency": "USD",
        "pretty": "USD 5.00"
      },
      "gameRoundStatus": "COMPLETE"
    },
    {
      "draw": {
        "drawParams": {
          "stake": {
            "amount": 10.00,
            "currency": "USD",
            "pretty": "USD 10.00"
          },
          "symbolPicked": "R",
```

```
          "game": "ONEOFTWO"
        },
        "drawResult": {
          "symbolDrawn": "R",
          "multiplier": 2,
          "winType": "WIN",
          "drawWinnings": {
            "amount": 20.00,
            "currency": "USD",
            "pretty": "USD 20.00"
          }
        }
      },
      "totalWinnings": {
        "amount": 20.00,
        "currency": "USD",
        "pretty": "USD 20.00"
      },
      "totalStake": {
        "amount": 10.00,
        "currency": "USD",
        "pretty": "USD 10.00"
      },
      "gameRoundStatus": "COMPLETE"
    }
  ]
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "3000",
  "description": "Invalid game round id"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameRoundId	*Required*	*Parent game round that needs to be collected*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2002	Invalid game configuration
3000	Invalid game round

GAMBLE HISTORY

Pull the history of previous 10 gamble results to be displayed on Gamble Screen.

ENDPOINT URL:

/api/games/draw/history?gameSkin=trex&type=ONEOFTWO

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```
[
  {
    "symbolDrawn": "B",
    "multiplier": 0,
    "winType": "NONE",
    "drawWinnings": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    }
  },
  {
    "symbolDrawn": "B",
    "multiplier": 0,
    "winType": "NONE",
    "drawWinnings": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    }
  },
  {
    "symbolDrawn": "B",
    "multiplier": 0,
    "winType": "NONE",
    "drawWinnings": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    }
  },
  {
    "symbolDrawn": "B",
    "multiplier": 0,
    "winType": "NONE",
    "drawWinnings": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    }
```

```
  },
  {
    "symbolDrawn": "B",
    "multiplier": 0,
    "winType": "NONE",
    "drawWinnings": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    }
  },
  {
    "symbolDrawn": "R",
    "multiplier": 2,
    "winType": "WIN",
    "drawWinnings": {
      "amount": "14.40",
      "currency": "USD",
      "pretty": "USD 14.40"
    }
  },
  {
    "symbolDrawn": "R",
    "multiplier": 2,
    "winType": "WIN",
    "drawWinnings": {
      "amount": "7.20",
      "currency": "USD",
      "pretty": "USD 7.20"
    }
  },
  {
    "symbolDrawn": "R",
    "multiplier": 2,
    "winType": "WIN",
    "drawWinnings": {
      "amount": "3.60",
      "currency": "USD",
      "pretty": "USD 3.60"
    }
  },
  {
    "symbolDrawn": "B",
    "multiplier": 0,
    "winType": "NONE",
    "drawWinnings": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    }
  },
  {
    "symbolDrawn": "R",
    "multiplier": 2,
    "winType": "WIN",
```

```
    "drawWinnings": {
      "amount": "4.00",
      "currency": "USD",
      "pretty": "USD 4.00"
    }
  }
]
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "1001",
  "description": "Game session expired"
}
```

REQUEST QUERY PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Game Skin for which gamble history needs to be returned*
Type	*Required*	*Type of Gamble game*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand

KENO GAME CONFIG

API to get the configuration of the keno game like spots configurations, bonus configuration, spots stake multiplier, stake config.

ENDPOINT URL:

/api/games/keno/config?gameSkin=[gameSkin]

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```
{
  "autoSpinEnabled": true,
  "realityCheckEnabled": true,
  "depositUrl": "http://test-brand.dev.markor.com/",
  "historyUrl": "http://test-brand.dev.markor.com/",
  "domainName": "http://test-brand.dev.markor.com/",
  "loginUrl": "http://test-brand.dev.markor.com/",
  "demoPlayDepositUrl": "https://gs7.qa.markor.com/demo/index.html",
  "loader": "https://content.markor.com/content/all/images/cool-games.jpg",
  "gameConfiguration": {
    "name": "Keno 80 Number",
    "minSpotValue": 1,
    "maxSpotValue": 80,
    "minPicks": 2,
    "maxPicks": 10,
    "spotsDrawn": 20,
    "bonusConfiguration": {
      "bonusSpotsDrawn": 1,
      "enableLockBonusSpot": true,
      "minBonusLevel": 0,
      "maxBonusLevel": 6,
      "bonusLevels": {
        "0": {
          "name": "Base",
          "level": 0,
          "redrawSpots": 0,
          "freeGames": 9,
          "guaranteedMultiplier": 1,
          "bonusMultiplier": 2
        },
        "1": {
          "name": "Bonus0",
          "level": 1,
          "redrawSpots": 0,
          "freeGames": 9,
          "guaranteedMultiplier": 2,
          "bonusMultiplier": 5
        },
        "2": {
          "name": "Bonus1",
          "level": 2,
```

```
        "redrawSpots": 9,
        "freeGames": 9,
        "guaranteedMultiplier": 2,
        "bonusMultiplier": 5
      },
      "3": {
        "name": "Bonus2",
        "level": 3,
        "redrawSpots": 18,
        "freeGames": 9,
        "guaranteedMultiplier": 2,
        "bonusMultiplier": 5
      },
      "4": {
        "name": "Bonus3",
        "level": 4,
        "redrawSpots": 27,
        "freeGames": 9,
        "guaranteedMultiplier": 2,
        "bonusMultiplier": 5
      },
      "5": {
        "name": "Bonus4",
        "level": 5,
        "redrawSpots": 36,
        "freeGames": 9,
        "guaranteedMultiplier": 2,
        "bonusMultiplier": 5
      },
      "6": {
        "name": "Bonus5",
        "level": 6,
        "redrawSpots": 45,
        "freeGames": 9,
        "guaranteedMultiplier": 2,
        "bonusMultiplier": 5
      }
    }
  },
  "winningCelebrations": [

  ],
  "spotsStakeMultiplier": {
    "2": [
      0,
      0,
      6
    ],
    "3": [
      0,
      0,
      2,
      9
    ],
    "4": [
```

```
      0,
      0,
      1,
      2,
      31
    ],
    "5": [
      0,
      0,
      0,
      2,
      12,
      80
    ],
    "6": [
      0,
      0,
      0,
      1,
      6,
      17,
      100
    ],
    "7": [
      0,
      0,
      0,
      1,
      2,
      7,
      25,
      360
    ],
    "8": [
      0,
      0,
      0,
      0,
      1,
      4,
      40,
      220,
      1000
    ],
    "9": [
      0,
      0,
      0,
      0,
      1,
      3,
      9,
      60,
      260,
      2000
```

```
      ],
      "10": [
        0,
        0,
        0,
        0,
        1,
        2,
        4,
        15,
        60,
        500,
        2500
      ]
    }
  },
  "winningCelebrations": [

  ],
  "stakeConfig": {
    "GBP": {
      "minStake": 0.01,
      "maxStake": 25,
      "stakeLadder": [
        0.1,
        0.75,
        0.25,
        0.5,
        1
      ]
    },
    "USD": {
      "minStake": 0.01,
      "maxStake": 25,
      "stakeLadder": [
        0.1,
        0.75,
        0.25,
        0.5,
        1
      ]
    }
  }
}
```

RESPONSE SAMPLE FAILURE

```json
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

KENO INITIALIZE

API to get all the basic player details like player account balances, reality check info, custom stake settings if any configured for the player. Game Play State object is null for regular plays. But if there are unfinished games, gamePlayState is returned with the unfinished game.

ENDPOINT URL:

/api/player/initialise?gameSkin=[gameSkin]

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```
{
  "accountSettings": {
    "minStake": {
      "amount": 1.00,
      "currency": "USD",
      "pretty": "USD 1.00"
    },
    "maxStake": {
      "amount": 100.00,
      "currency": "USD",
      "pretty": "USD 100.00"
    },
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "489.80",
        "currency": "USD",
        "pretty": "USD 489.80"
      },
      "bonusBalance": {
        "amount": "200.00",
        "currency": "USD",
        "pretty": "USD 200.00"
      },
      "totalBalance": {
        "amount": "689.80",
        "currency": "USD",
        "pretty": "USD 689.80"
      },
      "playerWithhold": {
        "balance": {
          "amount": "300.00",
          "currency": "USD",
          "pretty": "USD 300.00"
        },
        "count": 2
      }
    },
```

```
  "rgSettings": {
    "realityCheckSettings": {
      "sessionLimit": 600,
      "elapsedTime": 60
    }
  },
  "regulations": [
    "UKGC",
    "US"
  ],
  "sessionElapsedTime": 10,
  "stakeLadder": {
    "USD": [
      0.01,
      0.05,
      0.1,
      0.15,
      0.2,
      0.25,
      0.5,
      1.0,
      2.0
    ]
  }
},
"gamePlayState": {
  "gameRoundId": "5aad5423fb307609e68940fc",
  "gameRoundState": {
    "totalWinnings": {
      "amount": 2.00,
      "currency": "USD",
      "pretty": "USD 2.00"
    },
    "totalStake": {
      "amount": 1.00,
      "currency": "USD",
      "pretty": "USD 1.00"
    },
    "gameRoundStatus": "IN_PROGRESS",
    "bonusAwarded": "FREE_DRAW",
    "bonusGameResults": [

    ],
    "drawResults": [
      {
        "nextBonusLevel": 0,
        "currentBonusLevel": 0,
        "redrawSpots": [

        ],
        "bonusSpot": 32,
        "spotsDrawn": [
          32,
          44,
          1,
```

```
        11,
        74,
        5,
        79,
        56,
        34,
        24,
        23,
        7,
        64,
        20,
        8,
        52,
        41,
        28,
        13,
        53
      ],
      "hitSpots": [
        1,
        5,
        7,
        8
      ],
      "winnings": {
        "amount": 2.00,
        "currency": "USD",
        "pretty": "USD 2.00"
      },
      "kenoBonusContext": {
        "freeDrawContext": {
          "awardedDraws": 9,
          "remainingDraws": 9
        },
        "freeDrawsRemaining": 9,
        "freeDrawsAwarded": 9
      },
      "bonusAwarded": "FREE_DRAW",
      "autoPlayout": false,
      "freeDrawsRemaining": 9,
      "freeDrawsAwarded": 9
    }
  ],
  "gameParams": {
    "playerPicks": [
      1,
      2,
      3,
      4,
      5,
      6,
      7,
      8,
      9,
      10
```

```
        ],
        "lockBonusBall": true,
        "stake": {
            "amount": 1.00,
            "currency": "USD",
            "pretty": "USD 1.00"
        }
    },
    "latestDrawResult": {
        "nextBonusLevel": 0,
        "currentBonusLevel": 0,
        "redrawSpots": [

        ],
        "bonusSpot": 32,
        "spotsDrawn": [
            32,
            44,
            1,
            11,
            74,
            5,
            79,
            56,
            34,
            24,
            23,
            7,
            64,
            20,
            8,
            52,
            41,
            28,
            13,
            53
        ],
        "hitSpots": [
            1,
            5,
            7,
            8
        ],
        "winnings": {
            "amount": 2.00,
            "currency": "USD",
            "pretty": "USD 2.00"
        },
        "kenoBonusContext": {
            "freeDrawContext": {
                "awardedDraws": 9,
                "remainingDraws": 9
            },
            "freeDrawsRemaining": 9,
            "freeDrawsAwarded": 9
```

```
        },
        "bonusAwarded": "FREE_DRAW",
        "autoPlayout": false,
        "freeDrawsRemaining": 9,
        "freeDrawsAwarded": 9
      }
    },
    "status": "ACTIVE"
  }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	Required	Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

KENO DRAW

API to trigger the draw for the keno game. For Regular draw, status is returned as COMPLETE with winning draw spots and amount. When free draws are won, status is returned as IN_PROGRESS with number of free draws won and free draws remaining. Subsequent request for free draw should be a "FREEDRAW CONTINUE" until the number of free draws remaining is zero.

ENDPOINT URL:

/api/games/keno/draw

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameSkin": "iscream-keno",
  "stake": {
    "currency": "USD",
    "amount": "1"
  },
  "playerPicks": [
    1,
    2,
    3,
    4,
    5,
    6,
    7,
    8,
    9,
    10
  ],
  "lockBonusSpot": true
}
```

RESPONSE SAMPLE SUCCESS

```
{
  "gameRoundId": "5aad3ce3fb30760829cdda82",
  "demoPlay": false,
  "stake": {
    "amount": 1.00,
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "playerPicks": [
    1,
    2,
    3,
    4,
    5,
    6,
```

```
      7,
      8,
      9,
      10
    ],
    "lockBonusBall": false,
    "bonusSpot": 22,
    "reDrawSpots": [

    ],
    "currentBonusLevel": 0,
    "nextBonusLevel": 0,
    "spotsDrawn": [
      65,
      1,
      10,
      31,
      18,
      43,
      5,
      36,
      74,
      27,
      50,
      60,
      77,
      7,
      59,
      2,
      48,
      15,
      61,
      14
    ],
    "spotsHit": [
      1,
      2,
      5,
      7,
      10
    ],
    "freeDrawsRemaining": 0,
    "freeDrawsWon": 0,
    "bonusAwarded": "NONE",
    "status": "COMPLETE",
    "balance": {
      "cashBalance": {
        "amount": "501.00",
        "currency": "USD",
        "pretty": "USD 501.00"
      },
      "bonusBalance": {
        "amount": "200.00",
        "currency": "USD",
        "pretty": "USD 200.00"
```

```json
    },
    "totalBalance": {
      "amount": "701.00",
      "currency": "USD",
      "pretty": "USD 701.00"
    },
    "playerWithhold": {
      "balance": {
        "amount": "300.00",
        "currency": "USD",
        "pretty": "USD 300.00"
      },
      "count": 2
    }
  },
  "drawPayout": 2.00,
  "totalPayout": 2.00,
  "winningCelebration": null,
  "messageDetails": {
    "message": "You have been playing for 2 hours and <br> your total wager is
: 000 <br> Do you want to Continue?",
    "messageType": "REALITY_CHECK",
    "title": "SE Reality Check",
    "actions": {
      "Close": "",
      "History": "/history",
      "Continue": ""
    }
  }
}
```

RESPONSE SAMPLE KENO FREE DRAW SUCCESS

```json
{
  "gameRoundId": "5aad65fefb30760c10257023",
  "demoPlay": false,
  "stake": {
    "amount": 1.00,
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "playerPicks": [
    1,
    2,
    3,
    4,
    5,
    6,
    7,
    8,
    9,
    10
  ],
  "lockBonusBall": true,
  "bonusSpot": 55,
  "reDrawSpots": [
```

```
  ],
  "currentBonusLevel": 0,
  "nextBonusLevel": 1,
  "spotsDrawn": [
    23,
    63,
    19,
    34,
    37,
    25,
    15,
    67,
    9,
    65,
    49,
    44,
    17,
    47,
    36,
    21,
    3,
    46,
    57,
    55
  ],
  "spotsHit": [
    3,
    9
  ],
  "freeDrawsRemaining": 9,
  "freeDrawsWon": 9,
  "bonusAwarded": "FREE_DRAW",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "405.75",
      "currency": "USD",
      "pretty": "USD 405.75"
    },
    "bonusBalance": {
      "amount": "200.00",
      "currency": "USD",
      "pretty": "USD 200.00"
    },
    "totalBalance": {
      "amount": "605.75",
      "currency": "USD",
      "pretty": "USD 605.75"
    },
    "playerWithhold": {
      "balance": {
        "amount": 300.00,
        "currency": "USD",
        "pretty": "USD 300.00"
```

```
    },
    "count": 2
  }
},
"drawPayout": 0.00,
"totalPayout": 0.00,
"winningCelebration": null,
"messageDetails": {
  "message": "You have been playing for 2 hours and <br> your total wager is
: 000 <br> Do you want to Continue?",
  "messageType": "REALITY_CHECK",
  "title": "SE Reality Check",
  "actions": {
    "Close": "",
    "History": "/history",
    "Continue": ""
  }
}
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
stake- currency, amount	*Required*	*Bet Amount and currency*
playerPicks	*Required*	*List of spots picked by the player*
lockBonusSpot	*Optional*	*Boolean indicating if the previous bonus spot should be used or new bonus spot should be generated*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

KENO FREEDRAW CONTINUE

Freedraw API which is invoked when free draws are won in the regular draw request. Continue request needs to be sent until all the freedraws are played out. All the free draws are bound to the same game round.

ENDPOINT URL:

/api/games/keno/continue

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameRoundId": "5aad65fefb30760c10257023",
  "gameSkin": "iscream-keno",
  "stake": {
    "currency": "USD",
    "amount": "1"
  },
  "playerPicks": [
    1,
    2,
    3,
    4,
    5,
    6,
    7,
    8,
    9,
    10
  ],
  "lockBonusBall": true
}
```

RESPONSE SAMPLE KENO INTERMEDIATE FREE DRAW SUCCESS

```
{
  "gameRoundId": "5aad65fefb30760c10257023",
  "demoPlay": false,
  "stake": {
    "amount": 1.00,
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "playerPicks": [
    1,
    2,
    3,
    4,
    5,
    6,
    7,
    8,
```

```
    9,
    10
  ],
  "lockBonusBall": true,
  "bonusSpot": 55,
  "reDrawSpots": [

  ],
  "currentBonusLevel": 1,
  "nextBonusLevel": 1,
  "spotsDrawn": [
    72,
    48,
    63,
    74,
    37,
    29,
    28,
    42,
    8,
    76,
    5,
    54,
    69,
    43,
    50,
    52,
    75,
    68,
    59,
    6
  ],
  "spotsHit": [
    5,
    6,
    8
  ],
  "freeDrawsRemaining": 6,
  "freeDrawsWon": 0,
  "bonusAwarded": "FREE_DRAW",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "393.75",
      "currency": "USD",
      "pretty": "USD 393.75"
    },
    "bonusBalance": {
      "amount": "200.00",
      "currency": "USD",
      "pretty": "USD 200.00"
    },
    "totalBalance": {
      "amount": "593.75",
      "currency": "USD",
```

```
      "pretty": "USD 593.75"
    },
    "playerWithhold": {
      "balance": {
        "amount": "300.00",
        "currency": "USD",
        "pretty": "USD 300.00"
      },
      "count": 2
    }
  },
  "drawPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "messageDetails": {
    "message": "You have been playing for 2 hours and <br> your total wager is
: 000 <br> Do you want to Continue?",
    "messageType": "REALITY_CHECK",
    "title": "SE Reality Check",
    "actions": {
      "Close": "",
      "History": "/history",
      "Continue": ""
    }
  }
}
```

RESPONSE SAMPLE SLOTS LAST FREE DRAW SUCCESS

```
{
  "gameRoundId": "5aad65fefb30760c10257023",
  "demoPlay": false,
  "stake": {
    "amount": 1.00,
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "playerPicks": [
    1,
    2,
    3,
    4,
    5,
    6,
    7,
    8,
    9,
    10
  ],
  "lockBonusBall": true,
  "bonusSpot": 55,
  "reDrawSpots": [

  ],
  "currentBonusLevel": 1,
  "nextBonusLevel": 1,
```

```
  "spotsDrawn": [
    10,
    53,
    6,
    35,
    13,
    24,
    66,
    42,
    28,
    47,
    25,
    78,
    76,
    34,
    36,
    67,
    62,
    68,
    80,
    71
  ],
  "spotsHit": [
    6,
    10
  ],
  "freeDrawsRemaining": 0,
  "freeDrawsWon": 0,
  "bonusAwarded": "NONE",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "401.75",
      "currency": "USD",
      "pretty": "USD 401.75"
    },
    "bonusBalance": {
      "amount": "200.00",
      "currency": "USD",
      "pretty": "USD 200.00"
    },
    "totalBalance": {
      "amount": "601.75",
      "currency": "USD",
      "pretty": "USD 601.75"
    },
    "playerWithhold": {
      "balance": {
        "amount": "300.00",
        "currency": "USD",
        "pretty": "USD 300.00"
      },
      "count": 2
    }
  },
```

```
  "drawPayout": 0.00,
  "totalPayout": 9.00,
  "winningCelebration": null,
  "messageDetails": {
    "message": "You have been playing for 2 hours and <br> your total wager is
: 000 <br> Do you want to Continue?",
    "messageType": "REALITY_CHECK",
    "title": "SE Reality Check",
    "actions": {
      "Close": "",
      "History": "/history",
      "Continue": ""
    }
  }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "3000",
  "description": "Invalid game round"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
gameRoundId	*Required*	*Game Round of the triggering spin*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

KENO QUICKPICK

API to generate the quick pick numbers for keno.

ENDPOINT URL:

/api/games/keno/quick-pick?gameSkin=[gameSkin]&spots=[spots]&bonusBall=[bonusBall]

REQUEST METHOD: GET

RESPONSE SAMPLE

```
[6,51,46,26,33,76,56,79,67,22]
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
spots	*Required*	*Spots to quickpick*
bonusBall	*Optional*	*Bonus number number if already locked and should not be included in quick pick*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
2001	Game skin not associated to brand

GET RECENT GAME ROUNDS FOR PLAYER

API to return recent spins/draws for a player in the current game session

ENDPOINT URL:

/api/player/game-rounds?gameSkin=rhino-mite

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```
[
  {
    "gameRoundId": "5aac0680375baf5c0b756454",
    "dateTimeInMillis": 1521223296698,
    "totalWinnings": {
      "amount": 0.00,
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalStake": {
      "amount": 10.00,
      "currency": "USD",
      "pretty": "$ 10.00"
    },
    "balanceAfter": {
      "cashBalance": {
        "amount": "470.00",
        "currency": "USD",
        "pretty": "$ 470.00"
      },
      "bonusBalance": {
        "amount": "200.00",
        "currency": "USD",
        "pretty": "$ 200.00"
      },
      "totalBalance": {
        "amount": "670.00",
        "currency": "USD",
        "pretty": "$ 670.00"
      },
      "playerWithhold": {
        "balance": {
          "amount": "300.00",
          "currency": "USD",
          "pretty": "$ 300.00"
        },
        "count": 2
      }
    },
    "status": "COMPLETE"
  },
  {
    "gameRoundId": "5aac067c375baf5c0b756453",
```

```json
    "dateTimeInMillis": 1521223292065,
    "totalWinnings": {
      "amount": 0.00,
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalStake": {
      "amount": 10.00,
      "currency": "USD",
      "pretty": "$ 10.00"
    },
    "balanceAfter": {
      "cashBalance": {
        "amount": "480.00",
        "currency": "USD",
        "pretty": "$ 480.00"
      },
      "bonusBalance": {
        "amount": "200.00",
        "currency": "USD",
        "pretty": "$ 200.00"
      },
      "totalBalance": {
        "amount": "680.00",
        "currency": "USD",
        "pretty": "$ 680.00"
      },
      "playerWithhold": {
        "balance": {
          "amount": "300.00",
          "currency": "USD",
          "pretty": "$ 300.00"
        },
        "count": 2
      }
    },
    "status": "COMPLETE"
  }
]
```

RESPONSE SAMPLE FAILURE

```json
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST URL PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand

GET GAME ROUND

API to return game round for the gameRoundId provided

ENDPOINT URL:

/api/player/game-round/<gameRoundId>

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```
{
  "totalWinnings": {
    "amount": 0.00,
    "currency": "USD",
    "pretty": "$ 0.00"
  },
  "totalStake": {
    "amount": 10.00,
    "currency": "USD",
    "pretty": "$ 10.00"
  },
  "gameRoundStatus": "COMPLETE",
  "bonusAwarded": "NONE",
  "bonusGameResults": [

  ],
  "spinResults": [
    {
      "winnings": {
        "amount": 0.00,
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "slotsBonusContext": {
        "stickyWildsContext": null,
        "freeSpinContext": null,
        "freeSpinsRemaining": 0,
        "freeSpinsAwarded": 0
      },
      "bonusAwarded": null,
      "autoPlayout": false,
      "reelSpinnerResult": {
        "reelPositionGrid": {
          "reelPositions": [
            [
              6,
              56,
              48,
              7,
              9
            ],
            [
              7,
```

```
                57,
                49,
                8,
                10
            ],
            [
                8,
                58,
                50,
                9,
                11
            ]
        ],
        "rowCount": 3,
        "columnCount": 5,
        "centralRow": [
            7,
            57,
            49,
            8,
            10
        ]
    },
    "symbolGrid": {
        "symbols": [
            [
                "FREE_SPIN",
                "D",
                "F",
                "H",
                "I"
            ],
            [
                "E",
                "A",
                "D",
                "I",
                "F"
            ],
            [
                "G",
                "G",
                "H",
                "A",
                "C"
            ]
        ]
    }
},
"winningLines": [

],
"centreVisibleRowReelStops": [
    7,
    57,
```

```
          49,
          8,
          10
        ],
        "freeSpinsRemaining": 0,
        "freeSpinsAwarded": 0
      }
    ],
    "gameParams": {
      "stakePerLine": {
        "amount": 1.00,
        "currency": "USD",
        "pretty": "$ 1.00"
      },
      "payLineCount": 10
    },
    "expandingReels": [

    ],
    "latestSpinResult": {
      "winnings": {
        "amount": 0.00,
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "slotsBonusContext": {
        "stickyWildsContext": null,
        "freeSpinContext": null,
        "freeSpinsRemaining": 0,
        "freeSpinsAwarded": 0
      },
      "bonusAwarded": null,
      "autoPlayout": false,
      "reelSpinnerResult": {
        "reelPositionGrid": {
          "reelPositions": [
            [
              6,
              56,
              48,
              7,
              9
            ],
            [
              7,
              57,
              49,
              8,
              10
            ],
            [
              8,
              58,
              50,
              9,
```

```
          11
        ]
      ],
      "rowCount": 3,
      "columnCount": 5,
      "centralRow": [
        7,
        57,
        49,
        8,
        10
      ]
    },
    "symbolGrid": {
      "symbols": [
        [
          "FREE_SPIN",
          "D",
          "F",
          "H",
          "I"
        ],
        [
          "E",
          "A",
          "D",
          "I",
          "F"
        ],
        [
          "G",
          "G",
          "H",
          "A",
          "C"
        ]
      ]
    }
  },
  "winningLines": [

  ],
  "centreVisibleRowReelStops": [
    7,
    57,
    49,
    8,
    10
  ],
  "freeSpinsRemaining": 0,
  "freeSpinsAwarded": 0
  },
  "stickyWildsContext": null
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PATH PARAMETERS

Parameter	Required / Optional	Description
gameRoundId	*Required*	*Used to uniquely identify the gameRound. Returned in Get Recent Game Rounds for Player call*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
3000	Invalid game round id

ATLANTIS KENO GAME CONFIG

API to get the configuration of the Atlantis Keno game like spots configurations spots stake multiplier, stake config.

ENDPOINT URL:

/api/games/atlantis/keno/config?gameSkin=atlantis-keno

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```json
{
  "autoSpinEnabled": true,
  "realityCheckEnabled": true,
  "depositUrl": "http://test-brand.dev.markor.com/",
  "historyUrl": "http://test-brand.dev.markor.com/",
  "domainName": "http://test-brand.dev.markor.com/",
  "loginUrl": "http://test-brand.dev.markor.com/",
  "demoPlayDepositUrl": "https://gs7.qa.markor.com/demo/index.html",
  "loader": "https://content.markor.com/content/all/images/cool-games.jpg",
  "gameConfiguration": {
    "name": "Atlantis Keno 80 Number",
    "minSpotValue": 1,
    "maxSpotValue": 80,
    "minPicks": 2,
    "maxPicks": 10,
    "spotsDrawn": 20,
    "stakeMultiplier": {
      "MIXED": {
        "2": [
          0,
          0,
          5
        ],
        "3": [
          0,
          0,
          1,
          15
        ],
        "4": [
          0,
          0,
          1,
          2,
          36
        ],
        "5": [
          0,
          0,
          0,
          2,
```

```
        9,
        80
      ],
      "6": [
        0,
        0,
        0,
        1,
        3,
        32,
        300
      ],
      "7": [
        0,
        0,
        0,
        1,
        2,
        5,
        43,
        1000
      ],
      "8": [
        0,
        0,
        0,
        0,
        1,
        5,
        36,
        200,
        1600
      ],
      "9": [
        0,
        0,
        0,
        0,
        1,
        2,
        8,
        70,
        600,
        2400
      ],
      "10": [
        0,
        0,
        0,
        0,
        1,
        2,
        5,
        16,
        120,
```

```
        1200,
        2400
      ]
    },
    "GREEN": {
      "2": [
        0,
        0,
        8
      ],
      "3": [
        0,
        0,
        2,
        30
      ],
      "4": [
        0,
        0,
        2,
        5,
        88
      ],
      "5": [
        0,
        0,
        1,
        3,
        20,
        600
      ],
      "6": [
        0,
        0,
        0,
        2,
        16,
        250,
        1600
      ],
      "7": [
        0,
        0,
        0,
        2,
        4,
        48,
        800,
        2400
      ],
      "8": [
        0,
        0,
        0,
        1,
```

```
            4,
            40,
            400,
            800,
            2400
        ],
        "9": [
            0,
            0,
            0,
            1,
            3,
            6,
            60,
            800,
            2400,
            2400
        ],
        "10": [
            0,
            0,
            0,
            0,
            2,
            4,
            40,
            400,
            2400,
            2400,
            2400
        ]
    },
    "BLUE": {
        "2": [
            0,
            1,
            19
        ],
        "3": [
            0,
            0,
            4,
            110
        ],
        "4": [
            0,
            0,
            3,
            14,
            300
        ],
        "5": [
            0,
            0,
            2,
```

```
        6,
        80,
        2400
      ],
      "6": [
        0,
        0,
        1,
        6,
        60,
        1200,
        2400
      ],
      "7": [
        0,
        0,
        0,
        6,
        64,
        800,
        1600
      ],
      "8": [
        0,
        0,
        0,
        4,
        40,
        400,
        2400
      ],
      "9": [
        0,
        0,
        0,
        3,
        20,
        200,
        1600
      ],
      "10": [
        0,
        0,
        0,
        1,
        8,
        120,
        2400
      ]
    },
    "RED": {
      "2": [
        0,
        1,
        40
```

```
  ],
  "3": [
    0,
    1,
    8,
    265
  ],
  "4": [
    0,
    0,
    5,
    76,
    1600
  ],
  "5": [
    0,
    0,
    3,
    30,
    1200
  ],
  "6": [
    0,
    0,
    2,
    17,
    800
  ],
  "7": [
    0,
    0,
    1,
    12,
    500
  ],
  "8": [
    0,
    0,
    1,
    6,
    365
  ],
  "9": [
    0,
    0,
    1,
    4,
    160
  ],
  "10": [
    0,
    0,
    1,
    3,
    68
```

```
        ]
      }
    },
    "winSpots": {
      "GREEN": 10,
      "BLUE": 6,
      "RED": 4
    },
    "powerMultiplier": {
      "GREEN": 3,
      "BLUE": 4,
      "RED": 7
    },
    "kenoGameSpots": [
      1,
      2,
      3,
      4,
      5,
      6,
      7,
      8,
      9,
      10,
      11,
      12,
      13,
      14,
      15,
      16,
      17,
      18,
      19,
      20,
      21,
      22,
      23,
      24,
      25,
      26,
      27,
      28,
      29,
      30,
      31,
      32,
      33,
      34,
      35,
      36,
      37,
      38,
      39,
      40,
      41,
```

```
            42,
            43,
            44,
            45,
            46,
            47,
            48,
            49,
            50,
            51,
            52,
            53,
            54,
            55,
            56,
            57,
            58,
            59,
            60,
            61,
            62,
            63,
            64,
            65,
            66,
            67,
            68,
            69,
            70,
            71,
            72,
            73,
            74,
            75,
            76,
            77,
            78,
            79,
            80
        ]
    },
    "winningCelebrations": [
        {
            "name": "bigwin",
            "stakeToWinningsRatioConsequent": 30
        },
        {
            "name": "megawin",
            "stakeToWinningsRatioConsequent": 60
        },
        {
            "name": "superwin",
            "stakeToWinningsRatioConsequent": 100
        }
    ],
```

```
  "stakeConfig": {
    "USD": {
      "minStake": 1,
      "maxStake": 10,
      "stakeLadder": [
        5,
        4,
        3,
        2,
        1
      ]
    },
    "GBP": {
      "minStake": 1,
      "maxStake": 10,
      "stakeLadder": [
        5,
        4,
        3,
        2,
        1
      ]
    },
    "CRD": {
      "minStake": 1,
      "maxStake": 10,
      "stakeLadder": [
        5,
        4,
        3,
        2,
        1
      ]
    }
  }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

ATLANTIS KENO DRAW

API to trigger the draw for the Atlantis Keno game. For Regular draw, status is returned as COMPLETE with winning draw spots and amount.

ENDPOINT URL:

/api/games/atlantis/keno/draw

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameSkin": "atlantis-keno",
  "stake": {
    "currency": "USD",
    "amount": "1"
  },
  "playerPicks": [
    11,
    2,
    3,
    4,
    5,
    6,
    7,
    8,
    9,
    10
  ]
}
```

RESPONSE SAMPLE SUCCESS

```
{
  "gameRoundId": "5b452443ff1ae720964b9d83",
  "demoPlay": false,
  "stake": {
    "amount": 1.00,
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "playerPicks": [
    11,
    2,
    3,
    4,
    5,
    6,
    7,
    8,
    9,
    10
  ],
```

```
"spotsDrawn": [
  {
    "value": 9,
    "color": "BLUE"
  },
  {
    "value": 12,
    "color": "GREEN"
  },
  {
    "value": 54,
    "color": "RED"
  },
  {
    "value": 47,
    "color": "BLUE"
  },
  {
    "value": 28,
    "color": "GREEN"
  },
  {
    "value": 25,
    "color": "GREEN"
  },
  {
    "value": 8,
    "color": "BLUE"
  },
  {
    "value": 42,
    "color": "BLUE"
  },
  {
    "value": 29,
    "color": "GREEN"
  },
  {
    "value": 36,
    "color": "BLUE"
  },
  {
    "value": 53,
    "color": "GREEN"
  },
  {
    "value": 59,
    "color": "GREEN"
  },
  {
    "value": 13,
    "color": "GREEN"
  },
  {
    "value": 18,
```

```
        "color": "GREEN"
      },
      {
        "value": 56,
        "color": "RED"
      },
      {
        "value": 3,
        "color": "GREEN"
      },
      {
        "value": 52,
        "color": "RED"
      },
      {
        "value": 7,
        "color": "BLUE"
      },
      {
        "value": 1,
        "color": "GREEN"
      },
      {
        "value": 49,
        "color": "RED"
      }
    ],
    "spotsHit": {
      "GREEN": [
        {
          "value": 3,
          "color": "GREEN"
        }
      ],
      "BLUE": [
        {
          "value": 9,
          "color": "BLUE"
        },
        {
          "value": 8,
          "color": "BLUE"
        },
        {
          "value": 7,
          "color": "BLUE"
        }
      ]
    },
    "status": "COMPLETE",
    "balance": {
      "cashBalance": {
        "amount": "501.00",
        "currency": "USD",
        "pretty": "USD 501.00"
```

```
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "501.00",
      "currency": "USD",
      "pretty": "USD 501.00"
    },
    "playerWithhold": null
  },
  "drawPayout": 2.00,
  "totalPayout": 2.00,
  "winningCelebration": null,
  "messageDetails": {
    "message": "You have been playing for 2 hours and <br> your total wager is
: 000 <br> Do you want to Continue?",
    "messageType": "REALITY_CHECK",
    "title": "SE Reality Check",
    "actions": {
      "Close": "",
      "History": "/history",
      "Continue": ""
    }
  }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	Required	Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.
stake- currency, amount	Required	Bet Amount and currency
playerPicks	Required	List of spots picked by the player

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

ATLANTIS KENO QUICKPICK

API to generate the quick pick numbers for Atlantis Keno.

ENDPOINT URL:

/api/games/atlantis/keno/quick-pick?gameSkin=atlantis-keno&spots=10

REQUEST METHOD: GET

RESPONSE SAMPLE

```
[6,51,46,26,33,76,56,79,67,22]
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
spots	*Required*	*Spots to quickpick*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
2001	Game skin not associated to brand

LUCKY CHERRY KENO DRAW

API to trigger the draw for the Lucky Cherry Keno game. For Regular draw, status is returned as COMPLETE with winning draw spots and amount.

ENDPOINT URL:

/api/games/keno/draw

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameSkin": "lucky-cherry-keno",
  "stake": {
    "currency": "USD",
    "amount": "2"
  },
  "playerPicks": [
    1,
    2,
    3,
    4,
    5,
    6,
    7,
    8,
    9,
    10
  ],
  "bonusSpots":[
    11,
    12,
    13,
    14,
    15
    ]
}
```

RESPONSE SAMPLE SUCCESS

```
{
  "gameRoundId": "5b7583660d530b0fac42a452",
  "demoPlay": false,
  "stake": {
    "amount": "2.00",
    "currency": "USD",
    "pretty": "USD 2.00"
  },
  "playerPicks": [
    1,
    2,
    3,
    4,
```

```
      5,
      6,
      7,
      8,
      9,
      10
    ],
    "bonusSpots": [
      11,
      12,
      13,
      14,
      15
    ],
    "lockBonusBall": false,
    "bonusSpot": null,
    "reDrawSpots": [

    ],
    "currentBonusLevel": 0,
    "nextBonusLevel": 0,
    "spotsDrawn": [
      9,
      53,
      74,
      61,
      5,
      17,
      72,
      64,
      18,
      54,
      11,
      8,
      60,
      69,
      16,
      4,
      20,
      58,
      3,
      35
    ],
    "spotsHit": [
      3,
      4,
      5,
      8,
      9
    ],
    "bonusSpotsHit": [
      11
    ],
    "freeDrawsRemaining": 0,
    "freeDrawsWon": 0,
```

```
  "bonusAwarded": "NONE",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "506.00",
      "currency": "USD",
      "pretty": "USD 506.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "506.00",
      "currency": "USD",
      "pretty": "USD 506.00"
    },
    "playerWithhold": null
  },
  "drawPayout": 10.00,
  "totalPayout": 10.00,
  "winningCelebration": null,
  "messageDetails": {
    "message": "You have been playing for 2 hours and <br> your total wager is
: 000 <br> Do you want to Continue?",
    "messageType": "REALITY_CHECK",
    "title": "SE Reality Check",
    "actions": {
      "Close": "",
      "History": "/history",
      "Continue": ""
    }
  }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
stake- currency, amount	*Required*	*Bet Amount and currency*
playerPicks	*Required*	*List of spots picked by the player*
bonusSpots	*Optional*	*Bonus spots are generated by the system if not provided*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

RANK UP DRAGON SLOTS GAME CONFIG

API to get the configuration of the slot game like reel layout, conus configuration, symbol stake multiplier, paylines for Rank Up Dragon.

ENDPOINT URL:

/api/games/rud/slots/config?gameSkin=rank-up-dragon

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```
{
  "autoSpinEnabled": true,
  "realityCheckEnabled": true,
  "depositUrl": "http://test-brand.dev.markor.com/",
  "historyUrl": "http://test-brand.dev.markor.com/",
  "domainName": "http://test-brand.dev.markor.com/",
  "loginUrl": "http://test-brand.dev.markor.com/",
  "demoPlayDepositUrl": "https://gs7.qa.markor.com/demo/index.html",
  "loader": "https://content.markor.com/content/all/images/cool-games.jpg",
  "gameConfiguration": {
    "name": "50 Line - 84%  RTP",
    "rtp": [
      "50 Line - 84.00%  RTP"
    ],
    "maxPaylines": 50,
    "paylineOffsets": [
      [
        1,
        1,
        1,
        1,
        1
      ],
      [
        2,
        2,
        2,
        2,
        2
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        3,
        3,
        3,
```

```
      3,
      3
    ],
    [
      0,
      1,
      2,
      3,
      3
    ],
    [
      3,
      2,
      1,
      0,
      0
    ],
    [
      0,
      1,
      2,
      1,
      0
    ],
    [
      3,
      2,
      1,
      2,
      3
    ],
    [
      1,
      2,
      3,
      2,
      1
    ],
    [
      2,
      1,
      0,
      1,
      2
    ],
    [
      1,
      1,
      2,
      1,
      1
    ],
    [
      2,
      2,
```

```
      1,
      2,
      2
    ],
    [
      1,
      2,
      1,
      2,
      1
    ],
    [
      2,
      1,
      2,
      1,
      2
    ],
    [
      0,
      0,
      1,
      0,
      0
    ],
    [
      3,
      3,
      2,
      3,
      3
    ],
    [
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      1,
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      0
    ],
    [
      3,
      2,
      3,
      2,
      3
    ],
    [
      1,
      1,
      0,
      1,
      1
    ],
    [
      2,
```

```
      2,
      3,
      2,
      2
    ],
    [
      1,
      0,
      1,
      0,
      1
    ],
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      2,
      3,
      2,
      3,
      2
    ],
    [
      0,
      1,
      1,
      1,
      0
    ],
    [
      3,
      2,
      2,
      2,
      3
    ],
    [
      1,
      2,
      2,
      2,
      1
    ],
    [
      2,
      1,
      1,
      1,
      2
    ],
    [
      2,
      3,
      3,
      3,
      2
    ],
    [
```

```
      1,
      0,
      0,
      0,
      1
    ],
    [
      0,
      3,
      0,
      3,
      0
    ],
    [
      3,
      0,
      3,
      0,
      3
    ],
    [
      1,
      3,
      1,
      3,
      1
    ],
    [
      2,
      0,
      2,
      0,
      2
    ],
    [
      0,
      2,
      0,
      2,
      0
    ],
    [
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      1,
      3,
      1,
      3
    ],
    [
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      1,
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      1,
      1
    ],
```

```json
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    1
```

```
        ],
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          2
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        [
          0,
          0,
          1,
          2,
          3
        ],
        [
          3,
          3,
          2,
          1,
          0
        ]
      ],
      "reelLayouts": [
        {
          "reels": [
            {
```

```json
          "symbols": [
            "D_SYM_QUEEN",
            "D_SYM_SYMBOL_E",
            "D_SYM_SYMBOL_E",
            "D_SYM_TRIGGER"
          ],
          "reelSize": 256
        },
        {
          "symbols": [
            "D_SYM_TEN",
            "D_SYM_TEN",
            "D_SYM_SYMBOL_E",
            "D_SYM_TRIGGER"
          ],
          "reelSize": 256
        },
        {
          "symbols": [
            "D_SYM_TEN",
            "D_SYM_JACK",
            "D_SYM_SYMBOL_C",
            "D_SYM_NINE",
            "D_SYM_TRIGGER"
          ],
          "reelSize": 256
        },
        {
          "symbols": [
            "D_SYM_ACE",
            "D_SYM_SYMBOL_B",
            "D_SYM_TEN",
            "D_SYM_SYMBOL_B",
            "D_SYM_TRIGGER"
          ],
          "reelSize": 256
        },
        {
          "symbols": [
            "D_SYM_JACK",
            "D_SYM_TEN",
            "D_SYM_SYMBOL_C",
            "D_SYM_TEN",
            "D_SYM_TRIGGER"
          ],
          "reelSize": 256
        }
      ],
      "name": "BASE1",
      "reelCount": 5
    },
    {
      "reels": [
        {
          "symbols": [
```

```
        "D_SYM_QUEEN",
        "D_SYM_SYMBOL_E",
        "D_SYM_SYMBOL_E",
        "D_SYM_QUEEN",
        "D_SYM_SYMBOL_D",
        "D_SYM_QUEEN",
        "D_SYM_TRIGGER"
      ],
      "reelSize": 256
    },
    {
      "symbols": [
        "D_SYM_TEN",
        "D_SYM_TEN",
        "D_SYM_SYMBOL_E",
        "D_SYM_QUEEN",
        "D_SYM_SYMBOL_E",
        "D_SYM_TEN",
        "D_SYM_TRIGGER"
      ],
      "reelSize": 256
    },
    {
      "symbols": [
        "D_SYM_TEN",
        "D_SYM_JACK",
        "D_SYM_SYMBOL_C",
        "D_SYM_NINE",
        "D_SYM_SYMBOL_C",
        "D_SYM_QUEEN",
        "D_SYM_TEN",
        "D_SYM_QUEEN",
        "D_SYM_TRIGGER"
      ],
      "reelSize": 256
    },
    {
      "symbols": [
        "D_SYM_ACE",
        "D_SYM_SYMBOL_B",
        "D_SYM_TEN",
        "D_SYM_SYMBOL_B",
        "D_SYM_NINE",
        "D_SYM_SYMBOL_D",
        "D_SYM_JACK",
        "D_SYM_TRIGGER"
      ],
      "reelSize": 256
    },
    {
      "symbols": [
        "D_SYM_JACK",
        "D_SYM_TEN",
        "D_SYM_SYMBOL_C",
        "D_SYM_SYMBOL_C",
```

```json
              "D_SYM_ACE",
              "D_SYM_JACK",
              "D_SYM_TEN",
              "D_SYM_TRIGGER"
            ],
            "reelSize": 256
          }
        ],
        "name": "BASE2",
        "reelCount": 5
      }
    ],
    "bonusConfiguration": {
      "freeSpinConfiguration": {
        "freeSpinSymbolOccurrenceMultipliers": {
          "3": 8,
          "4": 15,
          "5": 30
        },
        "freeSpinSymbolOccurrenceMultipliersFreeGames": {
          "2": 3,
          "3": 8,
          "4": 15,
          "5": 30
        },
        "reelLayouts": [
          {
            "reels": [
              {
                "symbols": [
                  "D_SYM_KING",
                  "D_SYM_TEN",
                  "D_SYM_SYMBOL_B",
                  "D_SYM_SYMBOL_C",
                  "D_SYM_ACE",
                  "D_SYM_SYMBOL_E"
                ],
                "reelSize": 256
              },
              {
                "symbols": [
                  "D_SYM_KING",
                  "D_SYM_TEN",
                  "D_SYM_QUEEN",
                  "D_SYM_SYMBOL_E"
                ],
                "reelSize": 256
              },
              {
                "symbols": [
                  "D_SYM_QUEEN",
                  "D_SYM_KING",
                  "D_SYM_JACK",
                  "D_SYM_SYMBOL_E"
                ],
```

```
          "reelSize": 256
        },
        {
          "symbols": [
            "D_SYM_ACE",
            "D_SYM_QUEEN",
            "D_SYM_SYMBOL_B",
            "D_SYM_SYMBOL_E"
          ],
          "reelSize": 256
        },
        {
          "symbols": [
            "D_SYM_KING",
            "D_SYM_JACK",
            "D_SYM_SYMBOL_B",
            "D_SYM_QUEEN",
            "D_SYM_SYMBOL_E"
          ],
          "reelSize": 256
        }
      ],
      "weight": 100,
      "name": "FREE-GAMES",
      "totalWeight": 100,
      "reelCount": 5
    }
  ],
  "rankupReels": {
    "D_SYM_NINE": [
      {
        "symbols": [
          "D_SYM_KING",
          "D_SYM_TEN",
          "D_SYM_SYMBOL_B",
          "D_SYM_SYMBOL_C",
          "D_SYM_ACE",
          "D_SYM_SYMBOL_E"
        ],
        "reelSize": 256
      },
      {
        "symbols": [
          "D_SYM_KING",
          "D_SYM_TEN",
          "D_SYM_QUEEN",
          "D_SYM_SYMBOL_E"
        ],
        "reelSize": 256
      },
      {
        "symbols": [
          "D_SYM_QUEEN",
          "D_SYM_KING",
          "D_SYM_SYMBOL_B",
```

```
            "D_SYM_JACK",
            "D_SYM_SYMBOL_E"
          ],
          "reelSize": 256
        },
        {
          "symbols": [
            "D_SYM_ACE",
            "D_SYM_QUEEN",
            "D_SYM_SYMBOL_B",
            "D_SYM_QUEEN",
            "D_SYM_TEN",
            "D_SYM_SYMBOL_E"
          ],
          "reelSize": 256
        },
        {
          "symbols": [
            "D_SYM_KING",
            "D_SYM_JACK",
            "D_SYM_SYMBOL_B",
            "D_SYM_SYMBOL_E"
          ],
          "reelSize": 256
        }
      ],
      "D_SYM_TEN": [
        {
          "symbols": [
            "D_SYM_KING",
            "D_SYM_TEN",
            "D_SYM_SYMBOL_B",
            "D_SYM_ACE",
            "D_SYM_SYMBOL_E"
          ],
          "reelSize": 256
        },
        {
          "symbols": [
            "D_SYM_KING",
            "D_SYM_TEN",
            "D_SYM_SYMBOL_B",
            "D_SYM_JACK",
            "D_SYM_SYMBOL_D",
            "D_SYM_SYMBOL_C",
            "D_SYM_QUEEN",
            "D_SYM_SYMBOL_E"
          ],
          "reelSize": 256
        },
        {
          "symbols": [
            "D_SYM_QUEEN",
            "D_SYM_KING",
            "D_SYM_SYMBOL_B",
```

```
        "D_SYM_TEN",
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      {
```

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            "D_SYM_SYMBOL_E"
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```

```json
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        "D_SYM_SYMBOL_E"
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        "D_SYM_SYMBOL_B",
        "D_SYM_SYMBOL_D",
        "D_SYM_SYMBOL_C",
        "D_SYM_ACE",
        "D_SYM_SYMBOL_E"
      ],
      "reelSize": 256
    }
  ],
  "D_SYM_SYMBOL_E": [
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        "D_SYM_SYMBOL_E",
        "D_SYM_SYMBOL_E",
        "D_SYM_SYMBOL_D",
        "D_SYM_SYMBOL_C",
        "D_SYM_SYMBOL_E",
        "D_SYM_SYMBOL_E"
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        "D_SYM_SYMBOL_E",
        "D_SYM_SYMBOL_C",
```

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        "D_SYM_SYMBOL_E",
        "D_SYM_SYMBOL_C",
        "D_SYM_SYMBOL_E",
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      ],
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        "D_SYM_SYMBOL_E"
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        "D_SYM_SYMBOL_A",
        "D_SYM_SYMBOL_C",
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        "D_SYM_SYMBOL_D",
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      ],
      "reelSize": 256
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    {
      "symbols": [
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        "D_SYM_SYMBOL_B",
        "D_SYM_SYMBOL_D",
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        "D_SYM_SYMBOL_D",
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        "D_SYM_SYMBOL_D",
        "D_SYM_SYMBOL_D"
      ],
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        "D_SYM_SYMBOL_D",
        "D_SYM_SYMBOL_D"
      ],
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        "D_SYM_SYMBOL_D",
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        "D_SYM_SYMBOL_D",
        "D_SYM_SYMBOL_D"
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        "D_SYM_SYMBOL_C",
        "D_SYM_SYMBOL_D",
        "D_SYM_SYMBOL_D"
      ],
      "reelSize": 256
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  ],
  "D_SYM_SYMBOL_C": [
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        "D_SYM_SYMBOL_C",
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          "D_SYM_SYMBOL_C"
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          "D_SYM_SYMBOL_C",
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          "D_SYM_WILD",
          "D_SYM_SYMBOL_C",
          "D_SYM_SYMBOL_C"
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          "D_SYM_SYMBOL_C",
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          "D_SYM_SYMBOL_C",
          "D_SYM_SYMBOL_C"
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          "D_SYM_SYMBOL_B"
        ],
        "reelSize": 256
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          "D_SYM_SYMBOL_A"
        ],
        "reelSize": 256
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            "D_SYM_WILD"
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            "D_SYM_WILD",
            "D_SYM_WILD"
          ],
          "reelSize": 256
        }
      ]
    },
```

```
      "minimumFreeSpinSymbolsToWin": null,
      "scatterMultipliersFreeGames": [
        0,
        1,
        2,
        5,
        20
      ],
      "freeSpinSymbol": "D_SYM_TRIGGER"
    }
  },
  "symbolStakeMultipliers": {
    "D_SYM_WILD": [
      0,
      0,
      100,
      400,
      1000
    ],
    "D_SYM_SYMBOL_A": [
      0,
      0,
      25,
      200,
      500
    ],
    "D_SYM_SYMBOL_B": [
      0,
      0,
      20,
      100,
      300
    ],
    "D_SYM_SYMBOL_C": [
      0,
      0,
      15,
      80,
      200
    ],
    "D_SYM_SYMBOL_D": [
      0,
      0,
      12,
      50,
      120
    ],
    "D_SYM_SYMBOL_E": [
      0,
      0,
      10,
      30,
      100
    ],
    "D_SYM_ACE": [
```

```
          0,
          0,
          6,
          25,
          75
        ],
        "D_SYM_KING": [
          0,
          0,
          6,
          25,
          75
        ],
        "D_SYM_QUEEN": [
          0,
          0,
          5,
          20,
          60
        ],
        "D_SYM_JACK": [
          0,
          0,
          5,
          20,
          60
        ],
        "D_SYM_TEN": [
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          0,
          5,
          15,
          50
        ],
        "D_SYM_NINE": [
          0,
          0,
          5,
          15,
          50
        ]
      },
      "visibleRows": 4,
      "noOfReels": 5,
      "wildMultiplier": 1,
      "scatterMultipliers": [
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        0,
        2,
        5,
        20
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    },
    "winningCelebrations": [
      {
```

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      "name": "bigwin",
      "stakeToWinningsRatioConsequent": 30
    },
    {
      "name": "hugewin",
      "stakeToWinningsRatioConsequent": 45
    },
    {
      "name": "giantwin",
      "stakeToWinningsRatioConsequent": 60
    }
  ],
  "stakeConfig": {
    "USD": {
      "minStake": 0.01,
      "maxStake": 1,
      "stakeLadder": [
        0.01,
        0.02,
        0.1,
        0.2,
        0.25,
        0.5,
        1
      ]
    },
    "GBP": {
      "minStake": 0.01,
      "maxStake": 1,
      "stakeLadder": [
        0.01,
        0.02,
        0.05,
        0.1,
        0.2,
        0.25,
        0.5,
        1
      ]
    },
    "CRD": {
      "minStake": 1,
      "maxStake": 100,
      "stakeLadder": [
        1,
        2,
        5,
        10,
        20,
        25,
        50,
        100
      ]
    }
  }
```

```
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	Required	Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

RANK UP DRAGON SLOTS INITIALIZE

API to get all the basic player details like player account balances, reality check info, custom stake settings if any configured for the player. Game Play State object is null for regular plays. But if there are unfinished games, gamePlayState is returned with the unfinished game.

ENDPOINT URL:

/api/player/slots/initialise?gameSkin=rank-up-dragon

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS WITH PENDING FREESPINS FOR GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "sessionLimit": 600,
        "elapsedTime": 60
      }
    },
    "regulations": [
      "UKGC",
      "US"
    ],
    "sessionElapsedTime": 10,
    "stakeLadder": null
  },
  "gamePlayState": null,
  "freeSpinState": {
```

```
    "playerFreeSpinId": "5b2aae28a3ffe4146e3f503d",
    "freeSpinsRemaining": 5,
    "freeSpinsAwarded": 10,
    "totalWin": {
      "amount": 20.00,
      "currency": "USD",
      "pretty": "USD 20.00"
    }
  }
}
```

RESPONSE SAMPLE SUCCESS WITH UNFINISHED GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "491.00",
        "currency": "USD",
        "pretty": "USD 491.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "491.00",
        "currency": "USD",
        "pretty": "USD 491.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "sessionLimit": 600,
        "elapsedTime": 60
      }
    },
    "regulations": [
      "UKGC"
    ],
    "sessionElapsedTime": 10,
    "stakeLadder": null,
    "message": null
  },
  "gamePlayState": {
    "gameRoundId": "5b97f198514e9d27a8326cc9",
    "gameRoundState": {
      "totalWinnings": {
        "amount": "2188.00",
```

```json
      "currency": "USD",
      "pretty": "USD 2188.00"
    },
    "totalStake": {
      "amount": "25.00",
      "currency": "USD",
      "pretty": "USD 25.00"
    },
    "gameRoundStatus": "IN_PROGRESS",
    "gameRoundExtendedParams": null,
    "bonusAwarded": "FREE_SPIN",
    "bonusGameResults": [

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    "spinResults": [
      {
        "winnings": {
          "amount": "610.00",
          "currency": "USD",
          "pretty": "USD 610.00"
        },
        "slotsBonusContext": {
          "freeSpinContext": {
            "awardedSpins": 30,
            "remainingSpins": 72
          },
          "freeSpinsRemaining": 72,
          "freeSpinsAwarded": 30
        },
        "bonusAwarded": "FREE_SPIN",
        "autoPlayout": false,
        "rankup": null,
        "reelSpinnerResult": {
          "reelPositionGrid": {
            "reelPositions": [
              [
                48,
                48,
                48,
                48,
                48
              ],
              [
                49,
                49,
                49,
                49,
                49
              ],
              [
                50,
                50,
                50,
                50,
                50
```

```
        ],
        [
          51,
          51,
          51,
          51,
          51
        ]
      ],
      "rowCount": 4,
      "columnCount": 5,
      "topRow": [
        48,
        48,
        48,
        48,
        48
      ]
    },
    "symbolGrid": {
      "symbols": [
        [
          "D_SYM_TRIGGER",
          "D_SYM_TRIGGER",
          "D_SYM_TRIGGER",
          "D_SYM_TRIGGER",
          "D_SYM_TRIGGER"
        ],
        [
          "D_SYM_NINE",
          "D_SYM_ACE",
          "D_SYM_NINE",
          "D_SYM_JACK",
          "D_SYM_ACE"
        ],
        [
          "D_SYM_NINE",
          "D_SYM_NINE",
          "D_SYM_NINE",
          "D_SYM_JACK",
          "D_SYM_KING"
        ],
        [
          "D_SYM_SYMBOL_C",
          "D_SYM_SYMBOL_C",
          "D_SYM_SYMBOL_C",
          "D_SYM_SYMBOL_C",
          "D_SYM_SYMBOL_C"
        ]
      ]
    }
  },
  "winningLines": [
    {
      "symbolLine": {
```

```
      "symbols": [
        "D_SYM_NINE",
        "D_SYM_NINE",
        "D_SYM_NINE",
        "D_SYM_JACK",
        "D_SYM_KING"
      ]
    },
    "multiplier": 5,
    "payLineIndex": 1
  },
  {
    "symbolLine": {
      "symbols": [
        "D_SYM_SYMBOL_C",
        "D_SYM_SYMBOL_C",
        "D_SYM_SYMBOL_C",
        "D_SYM_SYMBOL_C",
        "D_SYM_SYMBOL_C"
      ]
    },
    "multiplier": 200,
    "payLineIndex": 3
  },
  {
    "symbolLine": {
      "symbols": [
        "D_SYM_NINE",
        "D_SYM_NINE",
        "D_SYM_NINE",
        "D_SYM_JACK",
        "D_SYM_KING"
      ]
    },
    "multiplier": 5,
    "payLineIndex": 11
  },
  {
    "symbolLine": {
      "symbols": [
        "D_SYM_NINE",
        "D_SYM_NINE",
        "D_SYM_NINE",
        "D_SYM_JACK",
        "D_SYM_ACE"
      ]
    },
    "multiplier": 5,
    "payLineIndex": 12
  },
  {
    "symbolLine": {
      "symbols": [
        "D_SYM_NINE",
        "D_SYM_NINE",
```

```json
                    "D_SYM_NINE",
                    "D_SYM_JACK",
                    "D_SYM_ACE"
                ]
            },
            "multiplier": 5,
            "payLineIndex": 24
        }
    ],
    "symbolCounts": {
        "0": {
            "symbol": "D_SYM_NINE",
            "count": 3,
            "symbolIndex": [
                2,
                2,
                2
            ]
        },
        "1": {
            "symbol": "D_SYM_SYMBOL_C",
            "count": 5,
            "symbolIndex": [
                3,
                3,
                3,
                3,
                3
            ]
        },
        "2": {
            "symbol": "D_SYM_NINE",
            "count": 3,
            "symbolIndex": [
                2,
                2,
                1
            ]
        },
        "3": {
            "symbol": "D_SYM_NINE",
            "count": 3,
            "symbolIndex": [
                1,
                2,
                1
            ]
        },
        "4": {
            "symbol": "D_SYM_NINE",
            "count": 3,
            "symbolIndex": [
                1,
                2,
                2
```

```
        ]
      }
    },
    "freeSpinsRemaining": 72,
    "topVisibleRowReelStops": [
      48,
      48,
      48,
      48,
      48
    ],
    "freeSpinsAwarded": 30
  },
  {
    "winnings": {
      "amount": "610.00",
      "currency": "USD",
      "pretty": "USD 610.00"
    },
    "slotsBonusContext": {
      "freeSpinContext": {
        "awardedSpins": 30,
        "remainingSpins": 100
      },
      "freeSpinsRemaining": 100,
      "freeSpinsAwarded": 30
    },
    "bonusAwarded": "FREE_SPIN",
    "autoPlayout": false,
    "rankup": null,
    "reelSpinnerResult": {
      "reelPositionGrid": {
        "reelPositions": [
          [
            48,
            48,
            48,
            48,
            48
          ],
          [
            49,
            49,
            49,
            49,
            49
          ],
          [
            50,
            50,
            50,
            50,
            50
          ],
          [
```

```
                51,
                51,
                51,
                51,
                51
              ]
            ],
            "rowCount": 4,
            "columnCount": 5,
            "topRow": [
              48,
              48,
              48,
              48,
              48
            ]
          },
          "symbolGrid": {
            "symbols": [
              [
                "D_SYM_TRIGGER",
                "D_SYM_TRIGGER",
                "D_SYM_TRIGGER",
                "D_SYM_TRIGGER",
                "D_SYM_TRIGGER"
              ],
              [
                "D_SYM_NINE",
                "D_SYM_ACE",
                "D_SYM_NINE",
                "D_SYM_JACK",
                "D_SYM_ACE"
              ],
              [
                "D_SYM_NINE",
                "D_SYM_NINE",
                "D_SYM_NINE",
                "D_SYM_JACK",
                "D_SYM_KING"
              ],
              [
                "D_SYM_SYMBOL_C",
                "D_SYM_SYMBOL_C",
                "D_SYM_SYMBOL_C",
                "D_SYM_SYMBOL_C",
                "D_SYM_SYMBOL_C"
              ]
            ]
          }
        },
        "winningLines": [
          {
            "symbolLine": {
              "symbols": [
                "D_SYM_NINE",
```

```
          "D_SYM_NINE",
          "D_SYM_NINE",
          "D_SYM_JACK",
          "D_SYM_KING"
        ]
      },
      "multiplier": 5,
      "payLineIndex": 1
    },
    {
      "symbolLine": {
        "symbols": [
          "D_SYM_SYMBOL_C",
          "D_SYM_SYMBOL_C",
          "D_SYM_SYMBOL_C",
          "D_SYM_SYMBOL_C",
          "D_SYM_SYMBOL_C"
        ]
      },
      "multiplier": 200,
      "payLineIndex": 3
    },
    {
      "symbolLine": {
        "symbols": [
          "D_SYM_NINE",
          "D_SYM_NINE",
          "D_SYM_NINE",
          "D_SYM_JACK",
          "D_SYM_KING"
        ]
      },
      "multiplier": 5,
      "payLineIndex": 11
    },
    {
      "symbolLine": {
        "symbols": [
          "D_SYM_NINE",
          "D_SYM_NINE",
          "D_SYM_NINE",
          "D_SYM_JACK",
          "D_SYM_ACE"
        ]
      },
      "multiplier": 5,
      "payLineIndex": 12
    },
    {
      "symbolLine": {
        "symbols": [
          "D_SYM_NINE",
          "D_SYM_NINE",
          "D_SYM_NINE",
          "D_SYM_JACK",
```

```json
          "D_SYM_ACE"
        ]
      },
      "multiplier": 5,
      "payLineIndex": 24
    }
  ],
  "symbolCounts": {
    "0": {
      "symbol": "D_SYM_NINE",
      "count": 3,
      "symbolIndex": [
        2,
        2,
        2
      ]
    },
    "1": {
      "symbol": "D_SYM_SYMBOL_C",
      "count": 5,
      "symbolIndex": [
        3,
        3,
        3,
        3,
        3
      ]
    },
    "2": {
      "symbol": "D_SYM_NINE",
      "count": 3,
      "symbolIndex": [
        2,
        2,
        1
      ]
    },
    "3": {
      "symbol": "D_SYM_NINE",
      "count": 3,
      "symbolIndex": [
        1,
        2,
        1
      ]
    },
    "4": {
      "symbol": "D_SYM_NINE",
      "count": 3,
      "symbolIndex": [
        1,
        2,
        2
      ]
    }
```

```
        },
        "freeSpinsRemaining": 100,
        "topVisibleRowReelStops": [
          48,
          48,
          48,
          48,
          48
        ],
        "freeSpinsAwarded": 30
      }
    ],
    "gameParams": {
      "stakePerLine": {
        "amount": "0.50",
        "currency": "USD",
        "pretty": "USD 0.50"
      },
      "payLineCount": 50,
      "stakeAmount": null
    },
    "selectedReel": "FREE-GAMES",
    "latestSpinResult": {
      "winnings": {
        "amount": "610.00",
        "currency": "USD",
        "pretty": "USD 610.00"
      },
      "slotsBonusContext": {
        "freeSpinContext": {
          "awardedSpins": 30,
          "remainingSpins": 100
        },
        "freeSpinsRemaining": 100,
        "freeSpinsAwarded": 30
      },
      "bonusAwarded": "FREE_SPIN",
      "autoPlayout": false,
      "rankup": null,
      "reelSpinnerResult": {
        "reelPositionGrid": {
          "reelPositions": [
            [
              48,
              48,
              48,
              48,
              48
            ],
            [
              49,
              49,
              49,
              49,
              49
```

```
    ],
    [
      50,
      50,
      50,
      50,
      50
    ],
    [
      51,
      51,
      51,
      51,
      51
    ]
  ],
  "rowCount": 4,
  "columnCount": 5,
  "topRow": [
    48,
    48,
    48,
    48,
    48
  ]
},
"symbolGrid": {
  "symbols": [
    [
      "D_SYM_TRIGGER",
      "D_SYM_TRIGGER",
      "D_SYM_TRIGGER",
      "D_SYM_TRIGGER",
      "D_SYM_TRIGGER"
    ],
    [
      "D_SYM_NINE",
      "D_SYM_ACE",
      "D_SYM_NINE",
      "D_SYM_JACK",
      "D_SYM_ACE"
    ],
    [
      "D_SYM_NINE",
      "D_SYM_NINE",
      "D_SYM_NINE",
      "D_SYM_JACK",
      "D_SYM_KING"
    ],
    [
      "D_SYM_SYMBOL_C",
      "D_SYM_SYMBOL_C",
      "D_SYM_SYMBOL_C",
      "D_SYM_SYMBOL_C",
      "D_SYM_SYMBOL_C"
```

```
          ]
        ]
      }
    },
    "winningLines": [
      {
        "symbolLine": {
          "symbols": [
            "D_SYM_NINE",
            "D_SYM_NINE",
            "D_SYM_NINE",
            "D_SYM_JACK",
            "D_SYM_KING"
          ]
        },
        "multiplier": 5,
        "payLineIndex": 1
      },
      {
        "symbolLine": {
          "symbols": [
            "D_SYM_SYMBOL_C",
            "D_SYM_SYMBOL_C",
            "D_SYM_SYMBOL_C",
            "D_SYM_SYMBOL_C",
            "D_SYM_SYMBOL_C"
          ]
        },
        "multiplier": 200,
        "payLineIndex": 3
      },
      {
        "symbolLine": {
          "symbols": [
            "D_SYM_NINE",
            "D_SYM_NINE",
            "D_SYM_NINE",
            "D_SYM_JACK",
            "D_SYM_KING"
          ]
        },
        "multiplier": 5,
        "payLineIndex": 11
      },
      {
        "symbolLine": {
          "symbols": [
            "D_SYM_NINE",
            "D_SYM_NINE",
            "D_SYM_NINE",
            "D_SYM_JACK",
            "D_SYM_ACE"
          ]
        },
        "multiplier": 5,
```

```
      "payLineIndex": 12
    },
    {
      "symbolLine": {
        "symbols": [
          "D_SYM_NINE",
          "D_SYM_NINE",
          "D_SYM_NINE",
          "D_SYM_JACK",
          "D_SYM_ACE"
        ]
      },
      "multiplier": 5,
      "payLineIndex": 24
    }
  ],
  "symbolCounts": {
    "0": {
      "symbol": "D_SYM_NINE",
      "count": 3,
      "symbolIndex": [
        2,
        2,
        2
      ]
    },
    "1": {
      "symbol": "D_SYM_SYMBOL_C",
      "count": 5,
      "symbolIndex": [
        3,
        3,
        3,
        3,
        3
      ]
    },
    "2": {
      "symbol": "D_SYM_NINE",
      "count": 3,
      "symbolIndex": [
        2,
        2,
        1
      ]
    },
    "3": {
      "symbol": "D_SYM_NINE",
      "count": 3,
      "symbolIndex": [
        1,
        2,
        1
      ]
    },
```

```
        "4": {
          "symbol": "D_SYM_NINE",
          "count": 3,
          "symbolIndex": [
            1,
            2,
            2
          ]
        }
      },
      "freeSpinsRemaining": 100,
      "topVisibleRowReelStops": [
        48,
        48,
        48,
        48,
        48
      ],
      "freeSpinsAwarded": 30
    }
  },
  "status": "IN_PROGRESS"
},
"freeSpinState": null
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

RANK UP DRAGON SLOTS SPIN

API to trigger the spin for the Rank up dragon slots game. For Regular Spin, status is returned as COMPLETE with winning pay lines and amount. When free spins are won, status is returned as IN_PROGRESS with no of free spins won and free spins remaining. Subsequent request for free spin should be a "FREESPIN CONTINUE" until the number of free spins remaining is zero.

ENDPOINT URL:

/api/games/rud/slots/spin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameSkin": "rank-up-dragon",
  "stake": {
    "currency": "USD",
    "amount": 0.1
  },
  "numberOfLines": 50
}
```

RESPONSE SAMPLE SUCCESS

```
{
  "gameRoundId": "5baa1b6ee2c496126ccc3344",
  "demoPlay": false,
  "stakePerLine": {
    "amount": "0.20",
    "currency": "USD",
    "pretty": "USD 0.20"
  },
  "stakeAmount": null,
  "numberOfLines": 50,
  "reelStops": [
    255,
    23,
    255,
    97,
    114
  ],
  "freeSpinsRemaining": 8,
  "freeSpinsWon": 8,
  "bonusAwarded": "FREE_SPIN",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "394.40",
      "currency": "USD",
      "pretty": "USD 394.40"
    },
```

```json
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "394.40",
        "currency": "USD",
        "pretty": "USD 394.40"
      },
      "playerWithhold": null
    },
    "spinPayout": 20.00,
    "totalPayout": 20.00,
    "winningCelebration": null,
    "winningLines": [

    ],
    "winningLineAmounts": [

    ],
    "symbolCounts": {

    },
    "isGambleEligible": false,
    "gambleAttemptsLeft": 0,
    "freeSpinState": null,
    "unfinishedGame": null,
    "selectedReel": "BASE1",
    "rankup": null,
    "scatterWinnings": {
      "winAmount": {
        "amount": "20.00",
        "currency": "USD",
        "pretty": "USD 20.00"
      },
      "count": 3,
      "positions": {
        "symbol": "D_SYM_TRIGGER",
        "count": 3,
        "symbolIndex": [
          0,
          3,
          0,
          -1,
          -1
        ]
      }
    },
    "messageDetails": {
    "message": "You have been playing for 2 hours and <br> your total wager is :
000 <br> Do you want to Continue?",
    "messageType": "REALITY_CHECK",
    "title": "SE Reality Check",
    "actions": {
```

```
    "Close": "",
    "History": "/history",
    "Continue": ""
  }
 }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
stake- currency, amount	*Required*	*Bet Amount and currency*
numberOfLines	*Required*	*Number of lines bet on*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

RANK UP DRAGON SLOTS FREESPIN CONTINUE

Freespin API which is invoked when free spins are won in the regular spin request. Continue request needs to be sent until all the freespins are played out. All the free spins are bound to the same game round.

ENDPOINT URL:

/api/games/rud/slots/continue

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameRoundId": "5b97f198514e9d27a8326cc9",
  "gameSkin": "rank-up-dragon"
}
```

RESPONSE SAMPLE SLOTS FREE SPIN WITHOUT RANKUP SUCCESS

```
{
  "gameRoundId": "5b97f198514e9d27a8326cc9",
  "demoPlay": false,
  "stakePerLine": {
    "amount": "0.50",
    "currency": "USD",
    "pretty": "USD 0.50"
  },
  "numberOfLines": 50,
  "reelStops": [
    183,
    18,
    21,
    188,
    254
  ],
  "freeSpinsRemaining": 99,
  "freeSpinsWon": 0,
  "bonusAwarded": "FREE_SPIN",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "491.00",
      "currency": "USD",
      "pretty": "USD 491.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "491.00",
      "currency": "USD",
```

```
      "pretty": "USD 491.00"
    },
    "playerWithhold": null
  },
  "spinPayout": 0.00,
  "totalPayout": 2188.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "symbolCounts": {

  },
  "isGambleEligible": false,
  "freeSpinState": null,
  "unfinishedGame": null,
  "selectedReel": "FREE-GAMES",
  "rankup": null,
  "messageDetails": {
  "message": "You have been playing for 2 hours and <br> your total wager is :
000 <br> Do you want to Continue?",
  "messageType": "REALITY_CHECK",
  "title": "SE Reality Check",
  "actions": {
    "Close": "",
    "History": "/history",
    "Continue": ""
    }
  }
}
```

RESPONSE SAMPLE SLOTS FREE SPIN WITH RANKUP SUCCESS

```
{
  "gameRoundId": "5baa1b6ee2c496126ccc3344",
  "demoPlay": false,
  "stakePerLine": {
    "amount": "0.20",
    "currency": "USD",
    "pretty": "USD 0.20"
  },
  "stakeAmount": null,
  "numberOfLines": 50,
  "reelStops": [
    93,
    14,
    30,
    79,
    226
  ],
  "freeSpinsRemaining": 7,
  "freeSpinsWon": 0,
  "bonusAwarded": "FREE_SPIN",
```

```
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "394.40",
      "currency": "USD",
      "pretty": "USD 394.40"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "394.40",
      "currency": "USD",
      "pretty": "USD 394.40"
    },
    "playerWithhold": null
  },
  "spinPayout": 56.00,
  "totalPayout": 76.00,
  "winningCelebration": null,
  "winningLines": [
    12,
    20,
    23,
    26,
    38,
    41
  ],
  "winningLineAmounts": [
    12.00,
    12.00,
    4.00,
    12.00,
    12.00,
    4.00
  ],
  "symbolCounts": {
    "0": {
      "symbol": "D_SYM_QUEEN",
      "count": 5,
      "symbolIndex": [
        2,
        2,
        1,
        2,
        2
      ]
    },
    "1": {
      "symbol": "D_SYM_QUEEN",
      "count": 5,
      "symbolIndex": [
        2,
```

```
          2,
          3,
          2,
          2
        ]
      },
      "2": {
        "symbol": "D_SYM_QUEEN",
        "count": 4,
        "symbolIndex": [
          0,
          1,
          1,
          1
        ]
      },
      "3": {
        "symbol": "D_SYM_QUEEN",
        "count": 5,
        "symbolIndex": [
          2,
          1,
          1,
          1,
          2
        ]
      },
      "4": {
        "symbol": "D_SYM_QUEEN",
        "count": 5,
        "symbolIndex": [
          2,
          1,
          3,
          1,
          2
        ]
      },
      "5": {
        "symbol": "D_SYM_QUEEN",
        "count": 4,
        "symbolIndex": [
          0,
          1,
          3,
          1
        ]
      }
    },
    "isGambleEligible": false,
    "gambleAttemptsLeft": 0,
    "freeSpinState": null,
    "unfinishedGame": null,
    "selectedReel": "D_SYM_QUEEN",
    "rankup": {
```

```
    "rankup": true,
    "highestSymbol": "D_SYM_QUEEN"
  },
  "scatterWinnings": {
    "winAmount": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "count": 0,
    "positions": {
      "symbol": "D_SYM_TRIGGER",
      "count": 0,
      "symbolIndex": [
        -1,
        -1,
        -1,
        -1,
        -1
      ]
    }
  },
  "messageDetails": {
  "message": "You have been playing for 2 hours and <br> your total wager is :
000 <br> Do you want to Continue?",
  "messageType": "REALITY_CHECK",
  "title": "SE Reality Check",
  "actions": {
    "Close": "",
    "History": "/history",
    "Continue": ""
  }
 }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
gameRoundId	*Required*	*Game Round of the triggering spin*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

RANK UP DRAGON SLOTS AWARDED FREESPINS

Awarded Freespins API for Rank up dragon which is invoked when free spins are awarded by the operator and the player freespin id is passed as part of the initialize reponse. Freespins request needs to be sent until all the all the freespins awarded are played out by the player. The last free spin response would return if there are any unfinished games pending for the player and the current game

ENDPOINT URL:

/api/games/rud/slots/freespin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "playerFreeSpinId": "5baa2dc4e2c496163e5e6558",
  "gameSkin": "rank-up-dragon"
}
```

RESPONSE SAMPLE SLOTS INTERMEDIATE AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5baa2e96e2c496163bbc9f34",
  "demoPlay": false,
  "stakePerLine": {
    "amount": "0.20",
    "currency": "USD",
    "pretty": "USD 0.20"
  },
  "stakeAmount": null,
  "numberOfLines": 50,
  "reelStops": [
    209,
    78,
    63,
    17,
    111
  ],
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "500.00",
      "currency": "USD",
      "pretty": "USD 500.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
```

```
    },
    "totalBalance": {
      "amount": "500.00",
      "currency": "USD",
      "pretty": "USD 500.00"
    },
    "playerWithhold": null
  },
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "symbolCounts": {

  },
  "isGambleEligible": false,
  "gambleAttemptsLeft": 0,
  "freeSpinState": {
    "playerFreeSpinId": "5baa2dc4e2c496163e5e6558",
    "freeSpinsRemaining": 4,
    "freeSpinsAwarded": 5,
    "totalWin": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    }
  },
  "unfinishedGame": null,
  "selectedReel": "BASE1",
  "rankup": null,
  "scatterWinnings": {
    "winAmount": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "count": 2,
    "positions": {
      "symbol": "D_SYM_TRIGGER",
      "count": 2,
      "symbolIndex": [
        0,
        1,
        -1,
        -1,
        -1
      ]
    }
  },
  "messageDetails": {
```

```
  "message": "You have been playing for 2 hours and <br> your total wager is :
000 <br> Do you want to Continue?",
  "messageType": "REALITY_CHECK",
  "title": "SE Reality Check",
  "actions": {
    "Close": "",
    "History": "/history",
    "Continue": ""
  }
 }
}
```

RESPONSE SAMPLE SLOTS LAST AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5baa3076e2c496163bbc9faf",
  "demoPlay": false,
  "stakePerLine": {
    "amount": "0.20",
    "currency": "USD",
    "pretty": "USD 0.20"
  },
  "stakeAmount": null,
  "numberOfLines": 50,
  "reelStops": [
    108,
    7,
    223,
    159,
    116
  ],
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "-452.20",
      "currency": "USD",
      "pretty": "USD -452.20"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "-452.20",
      "currency": "USD",
      "pretty": "USD -452.20"
    },
    "playerWithhold": null
  },
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
```

```
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "symbolCounts": {

  },
  "isGambleEligible": false,
  "gambleAttemptsLeft": 0,
  "freeSpinState": {
    "playerFreeSpinId": "5baa3052e2c496163e5e6559",
    "freeSpinsRemaining": 0,
    "freeSpinsAwarded": 5,
    "totalWin": {
      "amount": "2.00",
      "currency": "USD",
      "pretty": "USD 2.00"
    }
  },
  "unfinishedGame": {
    "gameRoundId": "5baa3029e2c496163bbc9faa",
    "gameRoundState": {
      "totalWinnings": {
        "amount": "20.00",
        "currency": "USD",
        "pretty": "USD 20.00"
      },
      "totalStake": {
        "amount": "10.00",
        "currency": "USD",
        "pretty": "USD 10.00"
      },
      "gameRoundStatus": "IN_PROGRESS",
      "gameRoundExtendedParams": null,
      "bonusAwarded": "FREE_SPIN",
      "bonusGameResults": [

      ],
      "spinResults": [
        {
          "winnings": {
            "amount": "20.00",
            "currency": "USD",
            "pretty": "USD 20.00"
          },
          "slotsBonusContext": {
            "freeSpinContext": {
              "awardedSpins": 8,
              "remainingSpins": 8
            },
            "freeSpinsRemaining": 8,
            "freeSpinsAwarded": 8
          },
```

```json
      "bonusAwarded": "FREE_SPIN",
      "autoPlayout": false,
      "rankup": null,
      "reelSpinnerResult": {
        "reelPositionGrid": {
          "reelPositions": [
            [
              253,
              221,
              127,
              161,
              216
            ],
            [
              254,
              222,
              128,
              162,
              217
            ],
            [
              255,
              223,
              129,
              163,
              218
            ],
            [
              0,
              224,
              130,
              164,
              219
            ]
          ],
          "rowCount": 4,
          "columnCount": 5,
          "topRow": [
            253,
            221,
            127,
            161,
            216
          ]
        },
        "symbolGrid": {
          "symbols": [
            [
              "D_SYM_QUEEN",
              "D_SYM_SYMBOL_D",
              "D_SYM_TRIGGER",
              "D_SYM_TEN",
              "D_SYM_KING"
            ],
            [
```

```
                    "D_SYM_QUEEN",
                    "D_SYM_SYMBOL_D",
                    "D_SYM_TEN",
                    "D_SYM_TRIGGER",
                    "D_SYM_SYMBOL_D"
                ],
                [
                    "D_SYM_TRIGGER",
                    "D_SYM_KING",
                    "D_SYM_JACK",
                    "D_SYM_QUEEN",
                    "D_SYM_JACK"
                ],
                [
                    "D_SYM_QUEEN",
                    "D_SYM_SYMBOL_E",
                    "D_SYM_SYMBOL_C",
                    "D_SYM_NINE",
                    "D_SYM_SYMBOL_D"
                ]
            ]
        }
    },
    "winningLines": [

    ],
    "symbolCounts": {

    },
    "freeSpinsRemaining": 8,
    "topVisibleRowReelStops": [
      253,
      221,
      127,
      161,
      216
    ],
    "freeSpinsAwarded": 8
  }
],
"gameParams": {
  "stakePerLine": {
    "amount": "0.20",
    "currency": "USD",
    "pretty": "USD 0.20"
  },
  "payLineCount": 50,
  "stakeAmount": null
},
"selectedReel": "BASE1",
"scatterWinnings": {
  "winAmount": {
    "amount": "20.00",
    "currency": "USD",
    "pretty": "USD 20.00"
```

```
    },
    "count": 3,
    "positions": {
      "symbol": "D_SYM_TRIGGER",
      "count": 3,
      "symbolIndex": [
        2,
        -1,
        0,
        1,
        -1
      ]
    }
  },
  "latestSpinResult": {
    "winnings": {
      "amount": "20.00",
      "currency": "USD",
      "pretty": "USD 20.00"
    },
    "slotsBonusContext": {
      "freeSpinContext": {
        "awardedSpins": 8,
        "remainingSpins": 8
      },
      "freeSpinsRemaining": 8,
      "freeSpinsAwarded": 8
    },
    "bonusAwarded": "FREE_SPIN",
    "autoPlayout": false,
    "rankup": null,
    "reelSpinnerResult": {
      "reelPositionGrid": {
        "reelPositions": [
          [
            253,
            221,
            127,
            161,
            216
          ],
          [
            254,
            222,
            128,
            162,
            217
          ],
          [
            255,
            223,
            129,
            163,
            218
          ],
```

```
        [
          0,
          224,
          130,
          164,
          219
        ]
      ],
      "rowCount": 4,
      "columnCount": 5,
      "topRow": [
        253,
        221,
        127,
        161,
        216
      ]
    },
    "symbolGrid": {
      "symbols": [
        [
          "D_SYM_QUEEN",
          "D_SYM_SYMBOL_D",
          "D_SYM_TRIGGER",
          "D_SYM_TEN",
          "D_SYM_KING"
        ],
        [
          "D_SYM_QUEEN",
          "D_SYM_SYMBOL_D",
          "D_SYM_TEN",
          "D_SYM_TRIGGER",
          "D_SYM_SYMBOL_D"
        ],
        [
          "D_SYM_TRIGGER",
          "D_SYM_KING",
          "D_SYM_JACK",
          "D_SYM_QUEEN",
          "D_SYM_JACK"
        ],
        [
          "D_SYM_QUEEN",
          "D_SYM_SYMBOL_E",
          "D_SYM_SYMBOL_C",
          "D_SYM_NINE",
          "D_SYM_SYMBOL_D"
        ]
      ]
    }
  },
  "winningLines": [

  ],
  "symbolCounts": {
```

```
      },
          "freeSpinsRemaining": 8,
          "topVisibleRowReelStops": [
            253,
            221,
            127,
            161,
            216
          ],
          "freeSpinsAwarded": 8
      }
    },
    "status": "IN_PROGRESS"
  },
  "selectedReel": "BASE1",
  "rankup": null,
  "scatterWinnings": {
    "winAmount": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "count": 1,
    "positions": {
      "symbol": "D_SYM_TRIGGER",
      "count": 1,
      "symbolIndex": [
        -1,
        -1,
        -1,
        3,
        -1
      ]
    }
  },
  "messageDetails": {
  "message": "You have been playing for 2 hours and <br> your total wager is :
000 <br> Do you want to Continue?",
  "messageType": "REALITY_CHECK",
  "title": "SE Reality Check",
  "actions": {
    "Close": "",
    "History": "/history",
    "Continue": ""
  }
  }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "7003",
  "description": "Invalid Player Free Spin ID"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
playerFreeSpinId	*Required*	*Player free spin id provided in initialize response*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round
7002	Invalid Player for the campaign
7003	Invalid Player Free Spin ID

WOLF TERRITOTY SLOTS SPIN

API to trigger the spin for the Wolf Territory slots game. For Regular Spin, status is returned as COMPLETE with winning pay lines and amount. When free spins are won, status is returned as IN_PROGRESS and player should be displayed with a prompt to select the number of free spins depending on the multipliers. Subsequent request for free spin should be a "FREESPIN CONTINUE" until the number of free spins remaining is zero.

ENDPOINT URL:

/api/games/wolf/slots/spin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameSkin": "wolf-territory",
  "stake": {
    "amount": 1.00,
    "currency": USD
  },
  "numberOfLines": 100
}
```

RESPONSE SAMPLE SUCCESS

```
{
  "gameRoundId": "5ba1131e4890340fb8525754",
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 100,
  "reelStops": [
    0,
    1,
    3,
    7,
    3
  ],
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "400.00",
      "currency": "USD",
      "pretty": "USD 400.00"
    },
```

```
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "400.00",
      "currency": "USD",
      "pretty": "USD 400.00"
    },
    "playerWithhold": null
  },
  "spinPayout": 500,
  "totalPayout": 500,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "winningWays": [

  ],
  "symbolCounts": {

  },
  "stickyWildsItems": null,
  "wheelBonus": null,
  "expandingReels": [

  ],
  "isGambleEligible": false,
  "freeSpinState": null,
  "unfinishedGame": null,
  "fortuneHunterEnabled": true,
  "fortuneHunterMultiplier": null,
  "freeSpinsOptions": {
    "5": [
      8,
      12,
      30
    ],
    "10": [
      5,
      8,
      15
    ],
    "18": [
      3,
      5,
      8
    ]
  },
  "messageDetails": {
```

```
   "message": "You have been playing for 2 hours and <br> your total wager is :
000 <br> Do you want to Continue?",
   "messageType": "REALITY_CHECK",
   "title": "SE Reality Check",
   "actions": {
     "Close": "",
     "History": "/history",
     "Continue": ""
   }
 }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
stake- currency, amount	*Required*	*Bet Amount and currency*
numberOfLines	*Required*	*Number of lines bet on*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

WOLF TERRITOTY FREESPIN SELECTON

API to set the number of free spins by the player based on multiplier. Subsequent request for free spin should be a "FREESPIN CONTINUE" until the number of free spins remaining is zero.

ENDPOINT URL:

/api/games/wolf/slots/selectspins

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameRoundId": "5ba1218d489034369c67c8b0",
  "freeSpins": 10
}
```

RESPONSE SAMPLE SUCCESS

```
{
  "gameRoundId": "5ba1218d489034369c67c8b0",
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 100,
  "reelStops": [
    0,
    1,
    3,
    7,
    3
  ],
  "freeSpinsRemaining": 10,
  "freeSpinsWon": 10,
  "bonusAwarded": "FREE_SPIN",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "400.00",
      "currency": "USD",
      "pretty": "USD 400.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "400.00",
```

```
      "currency": "USD",
      "pretty": "USD 400.00"
    },
    "playerWithhold": null
  },
  "spinPayout": 500,
  "totalPayout": 500,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "winningWays": [

  ],
  "symbolCounts": {

  },
  "stickyWildsItems": null,
  "wheelBonus": null,
  "expandingReels": [

  ],
  "isGambleEligible": false,
  "freeSpinState": null,
  "unfinishedGame": null,
  "messageDetails": {
  "message": "You have been playing for 2 hours and <br> your total wager is :
000 <br> Do you want to Continue?",
  "messageType": "REALITY_CHECK",
  "title": "SE Reality Check",
  "actions": {
    "Close": "",
    "History": "/history",
    "Continue": ""
  }
 }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameRoundId	*Required*	*gameRound Id from the spin response.*
freespins	*Required*	*Player selected number of freespins from the spin response, -1 for system to generate the number of freespins*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

GOD OF SEA SLOTS GAME CONFIG

API to get the configuration of the slot game like reel layout, bonus configuration, symbol stake multiplier, paylines for God of Sea.

ENDPOINT URL:

/api/games/gos/slots/config?gameSkin=god-of-sea

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```
{
  "autoSpinEnabled": true,
  "realityCheckEnabled": true,
  "depositUrl": "http://test-brand.dev.markor.com/",
  "historyUrl": "http://test-brand.dev.markor.com/",
  "domainName": "http://test-brand.dev.markor.com/",
  "loginUrl": "http://test-brand.dev.markor.com/",
  "demoPlayDepositUrl": "https://gs7.qa.markor.com/demo/index.html",
  "loader": "https://content.markor.com/content/all/images/cool-games.jpg",
  "gameConfiguration": {
    "name": "GOS - 50 Line - 96%  RTP",
    "rtp": [
      "50 Line - 96.00%  RTP"
    ],
    "maxPaylines": 50,
    "paylineOffsets": [
      [
        1,
        1,
        1,
        1,
        1
      ],
      [
        2,
        2,
        2,
        2,
        2
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        3,
        3,
        3,
```

```
      3,
      3
    ],
    [
      0,
      1,
      2,
      3,
      3
    ],
    [
      3,
      2,
      1,
      0,
      0
    ],
    [
      0,
      1,
      2,
      1,
      0
    ],
    [
      3,
      2,
      1,
      2,
      3
    ],
    [
      1,
      2,
      3,
      2,
      1
    ],
    [
      2,
      1,
      0,
      1,
      2
    ],
    [
      1,
      1,
      2,
      1,
      1
    ],
    [
      2,
      2,
```

```
            1,
            2,
            2
        ],
        [
            1,
            2,
            1,
            2,
            1
        ],
        [
            2,
            1,
            2,
            1,
            2
        ],
        [
            0,
            0,
            1,
            0,
            0
        ],
        [
            3,
            3,
            2,
            3,
            3
        ],
        [
            0,
            1,
            0,
            1,
            0
        ],
        [
            3,
            2,
            3,
            2,
            3
        ],
        [
            1,
            1,
            0,
            1,
            1
        ],
        [
            2,
```

```
        2,
        3,
        2,
        2
      ],
      [
        1,
        0,
        1,
        0,
        1
      ],
      [
        2,
        3,
        2,
        3,
        2
      ],
      [
        0,
        1,
        1,
        1,
        0
      ],
      [
        3,
        2,
        2,
        2,
        3
      ],
      [
        1,
        2,
        2,
        2,
        1
      ],
      [
        2,
        1,
        1,
        1,
        2
      ],
      [
        2,
        3,
        3,
        3,
        2
      ],
      [
```

```
      1,
      0,
      0,
      0,
      1
   ],
   [
      0,
      3,
      0,
      3,
      0
   ],
   [
      3,
      0,
      3,
      0,
      3
   ],
   [
      1,
      3,
      1,
      3,
      1
   ],
   [
      2,
      0,
      2,
      0,
      2
   ],
   [
      0,
      2,
      0,
      2,
      0
   ],
   [
      3,
      1,
      3,
      1,
      3
   ],
   [
      1,
      1,
      3,
      1,
      1
   ],
```

```
[
  2,
  2,
  0,
  2,
  2
],
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],
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  1
```

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            {
```

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        "D_SYM_JACK",
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        "D_SYM_TEN"
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      ],
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  ],
  "weight": 497,
```

```
      "name": "BASE1",
      "totalWeight": 4096,
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            "D_SYM_TEN",
            "D_SYM_SYMBOL_A"
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            "D_SYM_SYMBOL_A"
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            "D_SYM_SYMBOL_A"
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```

```
            "D_SYM_NINE",
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            "D_SYM_SYMBOL_A"
          ],
          "reelSize": 256
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      ],
      "weight": 3599,
      "name": "BASE2",
      "totalWeight": 4096,
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  ],
  "bonusConfiguration": {
    "freeSpinConfiguration": {
      "freeSpinSymbolOccurrenceMultipliers": {
        "3": 8,
        "4": 16,
        "5": 40
      },
      "freeSpinSymbol": "D_SYM_TRIGGER",
      "reelLayouts": {
        "FREE_GAMES": [
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              "D_SYM_WILD",
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              "D_SYM_WILD"
            ],
            "reelSize": 256
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            ],
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              "D_SYM_WILD"
            ],
            "reelSize": 256
          },
          {
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```

```json
        "D_SYM_WILD",
        "D_SYM_WILD",
        "D_SYM_WILD",
        "D_SYM_WILD"
      ],
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    },
    {
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        "D_SYM_WILD",
        "D_SYM_WILD",
        "D_SYM_WILD"
      ],
      "reelSize": 256
    }
  ],
  "CHANCE_ZONE": [
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        "D_SYM_SYMBOL_A",
        "D_SYM_SYMBOL_A",
        "D_SYM_TRIGGER",
        "D_SYM_SYMBOL_A"
      ],
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    {
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        "D_SYM_NINE",
        "D_SYM_NINE",
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        "D_SYM_TEN",
        "D_SYM_SYMBOL_E"
      ],
      "reelSize": 256
    },
    {
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        "D_SYM_SYMBOL_A",
        "D_SYM_SYMBOL_A"
      ],
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```

```json
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      "D_SYM_WILD",
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      "D_SYM_WILD",
      "D_SYM_WILD"
    ],
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      "D_SYM_WILD",
      "D_SYM_WILD",
      "D_SYM_WILD"
    ],
    "reelSize": 256
  },
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      "D_SYM_WILD",
      "D_SYM_WILD"
    ],
    "reelSize": 256
  },
  {
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```

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                  "D_SYM_WILD"
                ],
                "reelSize": 256
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            ],
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                "symbols": [
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                  "D_SYM_WILD"
                ],
                "reelSize": 256
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                  "D_SYM_WILD"
                ],
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              {
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        "D_SYM_WILD",
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        "D_SYM_WILD"
      ],
      "reelSize": 256
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        "D_SYM_WILD",
        "D_SYM_WILD",
        "D_SYM_WILD",
        "D_SYM_WILD"
      ],
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    }
  ],
  "GAME_BIG_THREE": [
    {
      "symbols": [
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        "D_SYM_WILD",
        "D_SYM_WILD"
      ],
      "reelSize": 256
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    {
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        "D_SYM_WILD",
        "D_SYM_WILD",
        "D_SYM_WILD",
        "D_SYM_WILD"
      ],
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        "D_SYM_WILD",
        "D_SYM_WILD"
      ],
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        "D_SYM_WILD",
```

```
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        ],
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          "D_SYM_WILD",
          "D_SYM_WILD",
          "D_SYM_WILD"
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    ],
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        "symbols": [
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          "D_SYM_WILD",
          "D_SYM_WILD"
        ],
        "reelSize": 256
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          "D_SYM_WILD"
        ],
        "reelSize": 256
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        ],
        "reelSize": 256
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          "D_SYM_WILD",
          "D_SYM_WILD",
          "D_SYM_WILD",
          "D_SYM_WILD"
```

```
      ],
      "reelSize": 256
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    {
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        "D_SYM_WILD",
        "D_SYM_WILD",
        "D_SYM_WILD"
      ],
      "reelSize": 256
    }
  ],
  "GAME_BIG_FIVE": [
    {
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        "D_SYM_WILD",
        "D_SYM_WILD",
        "D_SYM_WILD",
        "D_SYM_WILD"
      ],
      "reelSize": 256
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    {
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        "D_SYM_WILD",
        "D_SYM_WILD",
        "D_SYM_WILD"
      ],
      "reelSize": 256
    },
    {
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        "D_SYM_WILD",
        "D_SYM_WILD"
      ],
      "reelSize": 256
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        "D_SYM_WILD",
        "D_SYM_WILD"
      ],
      "reelSize": 256
```

```
                },
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                    "D_SYM_WILD",
                    "D_SYM_WILD"
                  ],
                  "reelSize": 256
                }
              ]
            },
            "minimumFreeSpinSymbolsToWin": 3,
            "chanceZone": null,
            "totalWeight": 16384
          }
        },
        "symbolStakeMultipliers": {
          "D_SYM_WILD": [
            0,
            5,
            50,
            200,
            500
          ],
          "D_SYM_SYMBOL_A": [
            0,
            3,
            30,
            120,
            250
          ],
          "D_SYM_SYMBOL_B": [
            0,
            0,
            25,
            100,
            200
          ],
          "D_SYM_SYMBOL_C": [
            0,
            0,
            20,
            80,
            150
          ],
          "D_SYM_SYMBOL_D": [
            0,
            0,
            15,
            60,
            120
          ],
```

```
    "D_SYM_SYMBOL_E": [
      0,
      0,
      10,
      40,
      100
    ],
    "D_SYM_ACE": [
      0,
      0,
      5,
      25,
      75
    ],
    "D_SYM_KING": [
      0,
      0,
      5,
      25,
      75
    ],
    "D_SYM_QUEEN": [
      0,
      0,
      5,
      20,
      50
    ],
    "D_SYM_JACK": [
      0,
      0,
      5,
      20,
      50
    ],
    "D_SYM_TEN": [
      0,
      0,
      5,
      20,
      50
    ],
    "D_SYM_NINE": [
      0,
      0,
      5,
      20,
      50
    ]
  },
  "visibleRows": 4,
  "noOfReels": 5,
  "wildMultiplier": 1,
  "scatterMultipliers": [
    0,
```

```
          0,
          2,
          5,
          20
      ]
  },
  "winningCelebrations": [
      {
          "name": "bigwin",
          "stakeToWinningsRatioConsequent": 30
      },
      {
          "name": "hugewin",
          "stakeToWinningsRatioConsequent": 50
      },
      {
          "name": "gaintwin",
          "stakeToWinningsRatioConsequent": 75
      }
  ],
  "stakeConfig": {
      "USD": {
          "minStake": 0.01,
          "maxStake": 1,
          "stakeLadder": [
              0.01,
              0.02,
              0.05,
              0.1,
              0.2,
              0.25,
              0.5,
              1
          ]
      },
      "GBP": {
          "minStake": 0.01,
          "maxStake": 1,
          "stakeLadder": [
              0.01,
              0.02,
              0.05,
              0.1,
              0.2,
              0.25,
              0.5,
              1
          ]
      },
      "CRD": {
          "minStake": 1,
          "maxStake": 100,
          "stakeLadder": [
              1,
              2,
```

```
            5,
            10,
            20,
            25,
            50,
            100
        ]
      }
    }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	Required	Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

GOD OF SEA SLOTS INITIALIZE

API to get all the basic player details like player account balances, reality check info, custom stake settings if any configured for the player. Game Play State object is null for regular plays. But if there are unfinished games, gamePlayState is returned with the unfinished game.

ENDPOINT URL:

/api/player/slots/initialise?gameSkin=god-of-sea

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS WITH PENDING FREESPINS FOR GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "3120.00",
        "currency": "USD",
        "pretty": "USD 3120.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "3120.00",
        "currency": "USD",
        "pretty": "USD 3120.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 600,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "sessionElapsedTime": 10,
    "stakeLadder": null,
    "message": null
  },
  "gamePlayState": null,
```

```
  "freeSpinState": {
    "playerFreeSpinId": "5c03ed3df0f83e1870e5f9a4",
    "freeSpinsRemaining": 5,
    "freeSpinsAwarded": 5,
    "totalWin": null,
    "stake": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "USD 1.00"
    },
    "noOfLines": 50,
    "pendingFreeSpinGameResponse": null
  }
}
```

RESPONSE SAMPLE SUCCESS WITH UNFINISHED GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "450.00",
        "currency": "USD",
        "pretty": "USD 450.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "450.00",
        "currency": "USD",
        "pretty": "USD 450.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 600,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "sessionElapsedTime": 10,
    "stakeLadder": null,
    "message": null
  },
```

```
"gamePlayState": {
  "gameRoundId": "5c03e67cf0f83e177516358d",
  "gameRoundState": null,
  "status": "IN_PROGRESS",
  "gameResponse": {
    "gameRoundId": "5c03e67cf0f83e177516358d",
    "status": "IN_PROGRESS",
    "balance": {
      "cashBalance": {
        "amount": "450.00",
        "currency": "USD",
        "pretty": "USD 450.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "450.00",
        "currency": "USD",
        "pretty": "USD 450.00"
      },
      "playerWithhold": null
    },
    "demoPlay": false,
    "stakePerLine": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "USD 1.00"
    },
    "stakeAmount": null,
    "numberOfLines": 50,
    "reelStops": [
      36,
      36,
      90,
      222,
      28
    ],
    "freeSpinsRemaining": 5,
    "freeSpinsWon": 5,
    "bonusAwarded": "CHANCE_ZONE",
    "spinPayout": 170.00,
    "totalPayout": 170.00,
    "winningCelebration": null,
    "winningLines": [
      1,
      12,
      19,
      35,
      36,
      40,
      46
    ],
```

```
    "winningLineAmounts": [
      20.00,
      50.00,
      20.00,
      20.00,
      50.00,
      5.00,
      5.00
    ],
    "symbolCounts": {
      "0": {
        "symbol": "D_SYM_SYMBOL_C",
        "count": 3,
        "symbolIndex": [
          1,
          1,
          1
        ]
      },
      "1": {
        "symbol": "D_SYM_QUEEN",
        "count": 5,
        "symbolIndex": [
          2,
          2,
          1,
          2,
          2
        ]
      },
      "2": {
        "symbol": "D_SYM_SYMBOL_C",
        "count": 3,
        "symbolIndex": [
          1,
          1,
          0
        ]
      },
      "3": {
        "symbol": "D_SYM_SYMBOL_C",
        "count": 3,
        "symbolIndex": [
          1,
          1,
          3
        ]
      },
      "4": {
        "symbol": "D_SYM_QUEEN",
        "count": 5,
        "symbolIndex": [
          2,
          2,
          0,
```

```
          2,
          2
        ]
      },
      "5": {
        "symbol": "D_SYM_ACE",
        "count": 3,
        "symbolIndex": [
          3,
          3,
          1
        ]
      },
      "6": {
        "symbol": "D_SYM_ACE",
        "count": 3,
        "symbolIndex": [
          3,
          3,
          0
        ]
      }
    },
    "isGambleEligible": false,
    "gambleAttemptsLeft": 0,
    "freeSpinState": null,
    "unfinishedGame": null,
    "selectedReel": "BASE1",
    "scatterWinnings": {
      "winAmount": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "count": 2,
      "positions": {
        "symbol": "D_SYM_TRIGGER",
        "count": 2,
        "symbolIndex": [
          0,
          0,
          -1,
          -1,
          -1
        ]
      }
    },
    "showPoseidon": false
  }
},
"freeSpinState": null
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

GOD OF SEA SLOTS SPIN

API to trigger the spin for the God of Sea slots game. For Regular Spin, status is returned as COMPLETE with winning pay lines and amount. When free spins are won, status is returned as IN_PROGRESS with no of free spins won and free spins remaining. Subsequent request for free spin should be a "FREESPIN CONTINUE" until the number of free spins remaining is zero.

ENDPOINT URL:

/api/games/gos/slots/spin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameSkin": "god-of-sea",
  "stake": {
    "currency": "USD",
    "amount": 1
  },
  "numberOfLines": 50
}
```

RESPONSE SAMPLE SUCCESS

```
{
  "gameRoundId": "5c03e7eaf0f83e1811f73441",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "370.00",
      "currency": "USD",
      "pretty": "USD 370.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "370.00",
      "currency": "USD",
      "pretty": "USD 370.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "USD 1.00"
  },
```

```json
  "stakeAmount": null,
  "numberOfLines": 50,
  "reelStops": [
    36,
    36,
    251,
    28,
    173
  ],
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "spinPayout": 20.00,
  "totalPayout": 20.00,
  "winningCelebration": null,
  "winningLines": [
    2
  ],
  "winningLineAmounts": [
    20.00
  ],
  "symbolCounts": {
    "0": {
      "symbol": "D_SYM_QUEEN",
      "count": 4,
      "symbolIndex": [
        2,
        2,
        2,
        2
      ]
    }
  },
  "isGambleEligible": true,
  "gambleAttemptsLeft": 5,
  "freeSpinState": null,
  "unfinishedGame": null,
  "selectedReel": "BASE1",
  "scatterWinnings": {
    "winAmount": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "count": 2,
    "positions": {
      "symbol": "D_SYM_TRIGGER",
      "count": 2,
      "symbolIndex": [
        0,
        0,
        -1,
        -1,
        -1
      ]
```

```
    }
  },
  "showPoseidon": false,
  "messageDetails": {
  "message": "You have been playing for 2 hours and <br> your total wager is :
000 <br> Do you want to Continue?",
  "messageType": "REALITY_CHECK",
  "title": "SE Reality Check",
  "actions": {
    "Close": "",
    "History": "/history",
    "Continue": ""
  }
  }
}
```

RESPONSE SAMPLE SUCCESS WITH CHANCE ZONE

```
{
  "gameRoundId": "5c03e741f0f83e177516358e",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "400.00",
      "currency": "USD",
      "pretty": "USD 400.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "400.00",
      "currency": "USD",
      "pretty": "USD 400.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 50,
  "reelStops": [
    36,
    36,
    208,
    231,
    92
  ],
  "freeSpinsRemaining": 5,
```

```json
  "freeSpinsWon": 5,
  "bonusAwarded": "CHANCE_ZONE",
  "spinPayout": 320.00,
  "totalPayout": 320.00,
  "winningCelebration": null,
  "winningLines": [
    1,
    11,
    19,
    35
  ],
  "winningLineAmounts": [
    80.00,
    80.00,
    80.00,
    80.00
  ],
  "symbolCounts": {
    "0": {
      "symbol": "D_SYM_SYMBOL_C",
      "count": 4,
      "symbolIndex": [
        1,
        1,
        1,
        1
      ]
    },
    "1": {
      "symbol": "D_SYM_SYMBOL_C",
      "count": 4,
      "symbolIndex": [
        1,
        1,
        2,
        1
      ]
    },
    "2": {
      "symbol": "D_SYM_SYMBOL_C",
      "count": 4,
      "symbolIndex": [
        1,
        1,
        0,
        1
      ]
    },
    "3": {
      "symbol": "D_SYM_SYMBOL_C",
      "count": 4,
      "symbolIndex": [
        1,
        1,
        3,
```

```
            1
        ]
    }
},
"isGambleEligible": false,
"gambleAttemptsLeft": 0,
"freeSpinState": null,
"unfinishedGame": null,
"selectedReel": "BASE1",
"scatterWinnings": {
  "winAmount": {
    "amount": "0.00",
    "currency": "USD",
    "pretty": "USD 0.00"
  },
  "count": 2,
  "positions": {
    "symbol": "D_SYM_TRIGGER",
    "count": 2,
    "symbolIndex": [
      0,
      0,
      -1,
      -1,
      -1
    ]
  }
},
"showPoseidon": false,
"messageDetails": {
"message": "You have been playing for 2 hours and <br> your total wager is :
000 <br> Do you want to Continue?",
"messageType": "REALITY_CHECK",
"title": "SE Reality Check",
"actions": {
  "Close": "",
  "History": "/history",
  "Continue": ""
}
}
}
}
```

RESPONSE SAMPLE SUCCESS WITH FREE GAMES

```
{
  "gameRoundId": "5c03e7c5f0f83e1811f7343f",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "450.00",
      "currency": "USD",
      "pretty": "USD 450.00"
    },
    "bonusBalance": {
      "amount": "0.00",
```

```json
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "450.00",
      "currency": "USD",
      "pretty": "USD 450.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 50,
  "reelStops": [
    36,
    36,
    22,
    82,
    249
  ],
  "freeSpinsRemaining": 8,
  "freeSpinsWon": 8,
  "bonusAwarded": "SILVER_FREE_SPIN",
  "spinPayout": 100.00,
  "totalPayout": 100.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "symbolCounts": {

  },
  "isGambleEligible": false,
  "gambleAttemptsLeft": 0,
  "freeSpinState": null,
  "unfinishedGame": null,
  "selectedReel": "BASE1",
  "scatterWinnings": {
    "winAmount": {
      "amount": "100.00",
      "currency": "USD",
      "pretty": "USD 100.00"
    },
    "count": 3,
    "positions": {
      "symbol": "D_SYM_TRIGGER",
      "count": 3,
```

```
      "symbolIndex": [
        0,
        0,
        -1,
        3,
        -1
      ]
    }
  },
  "showPoseidon": true,
  "messageDetails": {
  "message": "You have been playing for 2 hours and <br> your total wager is :
000 <br> Do you want to Continue?",
  "messageType": "REALITY_CHECK",
  "title": "SE Reality Check",
  "actions": {
    "Close": "",
    "History": "/history",
    "Continue": ""
  }
 }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
stake- currency, amount	*Required*	*Bet Amount and currency*
numberOfLines	*Required*	*Number of lines bet on*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

GOD OF SEA SLOTS FREESPIN CONTINUE

Freespin API which is invoked when free spins are won in the Chance Zone feature or Silver Free Spins or Golden Free Spins. Continue request needs to be sent until all the freespins are played out. All the free spins are bound to the same game round.

ENDPOINT URL:

/api/games/gos/slots/continue

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameRoundId": "5c03e741f0f83e177516358e",
  "gameSkin": "god-of-sea"
}
```

RESPONSE SAMPLE SLOTS FREE SPIN IN CHANCE ZONE

```
{
  "gameRoundId": "5c03e741f0f83e177516358e",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "370.00",
      "currency": "USD",
      "pretty": "USD 370.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "370.00",
      "currency": "USD",
      "pretty": "USD 370.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 50,
  "reelStops": [
    36,
    36,
    51,
    183,
```

```
      26
    ],
    "freeSpinsRemaining": 4,
    "freeSpinsWon": 0,
    "bonusAwarded": "CHANCE_ZONE",
    "spinPayout": 0.00,
    "totalPayout": 320.00,
    "winningCelebration": null,
    "winningLines": [

    ],
    "winningLineAmounts": [

    ],
    "symbolCounts": {

    },
    "isGambleEligible": false,
    "gambleAttemptsLeft": 0,
    "freeSpinState": null,
    "unfinishedGame": null,
    "selectedReel": "CHANCE_ZONE",
    "scatterWinnings": {
      "winAmount": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "count": 2,
      "positions": {
        "symbol": "D_SYM_TRIGGER",
        "count": 2,
        "symbolIndex": [
          3,
          1,
          -1,
          -1,
          -1
        ]
      }
    },
    "showPoseidon": false,
    "messageDetails": {
    "message": "You have been playing for 2 hours and <br> your total wager is :
000 <br> Do you want to Continue?",
    "messageType": "REALITY_CHECK",
    "title": "SE Reality Check",
    "actions": {
      "Close": "",
      "History": "/history",
      "Continue": ""
    }
   }
}
```

RESPONSE SAMPLE SLOTS FREE SPIN IN SILVER OR GOLDEN FREESPINS

```json
{
  "gameRoundId": "5c03e7caf0f83e1811f73440",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "370.00",
      "currency": "USD",
      "pretty": "USD 370.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "370.00",
      "currency": "USD",
      "pretty": "USD 370.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 50,
  "reelStops": [
    36,
    36,
    64,
    93,
    167
  ],
  "freeSpinsRemaining": 7,
  "freeSpinsWon": 0,
  "bonusAwarded": "SILVER_FREE_SPIN",
  "spinPayout": 20.00,
  "totalPayout": 125.00,
  "winningCelebration": null,
  "winningLines": [
    39,
    45
  ],
  "winningLineAmounts": [
    10.00,
    10.00
  ],
  "symbolCounts": {
    "0": {
```

```
        "symbol": "D_SYM_SYMBOL_E",
        "count": 3,
        "symbolIndex": [
          0,
          0,
          2
        ]
      },
      "1": {
        "symbol": "D_SYM_SYMBOL_E",
        "count": 3,
        "symbolIndex": [
          0,
          0,
          3
        ]
      }
    },
    "isGambleEligible": false,
    "gambleAttemptsLeft": 0,
    "freeSpinState": null,
    "unfinishedGame": null,
    "selectedReel": "FREE_GAMES",
    "scatterWinnings": {
      "winAmount": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "count": 1,
      "positions": {
        "symbol": "D_SYM_TRIGGER",
        "count": 1,
        "symbolIndex": [
          -1,
          -1,
          -1,
          3,
          -1
        ]
      }
    },
    "showPoseidon": false,
    "messageDetails": {
    "message": "You have been playing for 2 hours and <br> your total wager is :
000 <br> Do you want to Continue?",
    "messageType": "REALITY_CHECK",
    "title": "SE Reality Check",
    "actions": {
      "Close": "",
      "History": "/history",
      "Continue": ""
    }
  }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
gameRoundId	*Required*	*Game Round of the triggering spin*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

GOD OF SEA SLOTS AWARDED FREESPINS

Awarded Freespins API for God of Sea which is invoked when free spins are awarded by the operator and the player freespin id is passed as part of the initialize reponse. Freespins request needs to be sent until all the all the freespins awarded are played out by the player. The last free spin response would return if there are any unfinished games pending for the player and the current game

ENDPOINT URL:

/api/games/gos/slots/freespin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "playerFreeSpinId": "5c03ed3df0f83e1870e5f9a4",
  "gameSkin": "god-of-sea"
}
```

RESPONSE SAMPLE SLOTS INTERMEDIATE AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5c03edf2f0f83e1811f73442",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "3715.00",
      "currency": "USD",
      "pretty": "USD 3715.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "3715.00",
      "currency": "USD",
      "pretty": "USD 3715.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 50,
  "reelStops": [
    36,
```

```
        36,
        41,
        114,
        29
      ],
      "freeSpinsRemaining": 0,
      "freeSpinsWon": 0,
      "bonusAwarded": "NONE",
      "spinPayout": 0.00,
      "totalPayout": 0.00,
      "winningCelebration": null,
      "winningLines": [

      ],
      "winningLineAmounts": [

      ],
      "symbolCounts": {

      },
      "isGambleEligible": false,
      "gambleAttemptsLeft": 0,
      "freeSpinState": {
        "playerFreeSpinId": "5c03ed3df0f83e1870e5f9a4",
        "freeSpinsRemaining": 4,
        "freeSpinsAwarded": 5,
        "totalWin": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "USD 0.00"
        },
        "stake": null,
        "noOfLines": 0,
        "pendingFreeSpinGameResponse": null
      },
      "unfinishedGame": null,
      "selectedReel": "BASE1",
      "scatterWinnings": {
        "winAmount": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "USD 0.00"
        },
        "count": 2,
        "positions": {
          "symbol": "D_SYM_TRIGGER",
          "count": 2,
          "symbolIndex": [
            0,
            0,
            -1,
            -1,
            -1
          ]
        }
```

```
  },
  "showPoseidon": false,
  "messageDetails": {
  "message": "You have been playing for 2 hours and <br> your total wager is :
000 <br> Do you want to Continue?",
  "messageType": "REALITY_CHECK",
  "title": "SE Reality Check",
  "actions": {
    "Close": "",
    "History": "/history",
    "Continue": ""
  }
 }
}
```

RESPONSE SAMPLE SLOTS LAST AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5c03eefdf0f83e1811f7344b",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "4405.00",
      "currency": "USD",
      "pretty": "USD 4405.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "4405.00",
      "currency": "USD",
      "pretty": "USD 4405.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 50,
  "reelStops": [
    36,
    36,
    26,
    216,
    142
  ],
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
```

```
  "spinPayout": 35.00,
  "totalPayout": 35.00,
  "winningCelebration": null,
  "winningLines": [
    4,
    20,
    35,
    46
  ],
  "winningLineAmounts": [
    5.00,
    5.00,
    20.00,
    5.00
  ],
  "symbolCounts": {
    "0": {
      "symbol": "D_SYM_ACE",
      "count": 3,
      "symbolIndex": [
        3,
        3,
        3
      ]
    },
    "1": {
      "symbol": "D_SYM_QUEEN",
      "count": 3,
      "symbolIndex": [
        2,
        2,
        3
      ]
    },
    "2": {
      "symbol": "D_SYM_SYMBOL_C",
      "count": 3,
      "symbolIndex": [
        1,
        1,
        3
      ]
    },
    "3": {
      "symbol": "D_SYM_ACE",
      "count": 3,
      "symbolIndex": [
        3,
        3,
        0
      ]
    }
  }
},
"isGambleEligible": true,
"gambleAttemptsLeft": 5,
```

```json
"freeSpinState": {
  "playerFreeSpinId": "5c03ee8ff0f83e1870e5f9a5",
  "freeSpinsRemaining": 0,
  "freeSpinsAwarded": 5,
  "totalWin": {
    "amount": "290.00",
    "currency": "USD",
    "pretty": "USD 290.00"
  },
  "stake": null,
  "noOfLines": 0,
  "pendingFreeSpinGameResponse": null
},
"unfinishedGame": {
  "gameRoundId": "5c03ee71f0f83e1811f73446",
  "gameRoundState": null,
  "status": "IN_PROGRESS",
  "gameResponse": {
    "gameRoundId": "5c03ee71f0f83e1811f73446",
    "status": "IN_PROGRESS",
    "balance": {
      "cashBalance": {
        "amount": "3810.00",
        "currency": "USD",
        "pretty": "USD 3810.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "3810.00",
        "currency": "USD",
        "pretty": "USD 3810.00"
      },
      "playerWithhold": null
    },
    "demoPlay": false,
    "stakePerLine": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "USD 1.00"
    },
    "stakeAmount": null,
    "numberOfLines": 50,
    "reelStops": [
      36,
      36,
      183,
      58,
      82
    ],
    "freeSpinsRemaining": 16,
    "freeSpinsWon": 16,
```

```
      "bonusAwarded": "SILVER_FREE_SPIN",
      "spinPayout": 255.00,
      "totalPayout": 255.00,
      "winningCelebration": null,
      "winningLines": [
        2
      ],
      "winningLineAmounts": [
        5.00
      ],
      "symbolCounts": {
        "0": {
          "symbol": "D_SYM_QUEEN",
          "count": 3,
          "symbolIndex": [
            2,
            2,
            2
          ]
        }
      },
      "isGambleEligible": false,
      "gambleAttemptsLeft": 0,
      "freeSpinState": {
        "playerFreeSpinId": "5c03ed3df0f83e1870e5f9a4",
        "freeSpinsRemaining": 0,
        "freeSpinsAwarded": 5,
        "totalWin": {
          "amount": "350.00",
          "currency": "USD",
          "pretty": "USD 350.00"
        },
        "stake": null,
        "noOfLines": 0,
        "pendingFreeSpinGameResponse": null
      },
      "unfinishedGame": null,
      "selectedReel": "BASE1",
      "scatterWinnings": {
        "winAmount": {
          "amount": "250.00",
          "currency": "USD",
          "pretty": "USD 250.00"
        },
        "count": 4,
        "positions": {
          "symbol": "D_SYM_TRIGGER",
          "count": 4,
          "symbolIndex": [
            0,
            0,
            -1,
            3,
            3
          ]
```

```
            }
        },
        "showPoseidon": true
    }
},
"selectedReel": "BASE1",
"scatterWinnings": {
    "winAmount": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
    },
    "count": 2,
    "positions": {
        "symbol": "D_SYM_TRIGGER",
        "count": 2,
        "symbolIndex": [
            0,
            0,
            -1,
            -1,
            -1
        ]
    }
},
"showPoseidon": false,
"messageDetails": {
"message": "You have been playing for 2 hours and <br> your total wager is :
000 <br> Do you want to Continue?",
"messageType": "REALITY_CHECK",
"title": "SE Reality Check",
"actions": {
    "Close": "",
    "History": "/history",
    "Continue": ""
    }
  }
}
```

RESPONSE SAMPLE FAILURE

```
{
    "code": "7003",
    "description": "Invalid Player Free Spin ID"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
playerFreeSpinId	*Required*	*Player free spin id provided in initialize response*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round
7002	Invalid Player for the campaign
7003	Invalid Player Free Spin ID

PANDA WARRIORS SLOTS GAME CONFIG

API to get the configuration of the slot game like reel layout, bonus configuration, symbol stake multiplier, paylines for Panda Warriors game.

ENDPOINT URL:

/api/games/pw/slots/config?gameSkin=panda-warriors

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```
{
  "autoSpinEnabled": true,
  "realityCheckEnabled": true,
  "depositUrl": "http://test-brand.dev.markor.com/",
  "historyUrl": "http://test-brand.dev.markor.com/",
  "domainName": "http://test-brand.dev.markor.com/",
  "loginUrl": "http://test-brand.dev.markor.com/",
  "demoPlayDepositUrl": "https://gs7.qa.markor.com/demo/index.html",
  "loader": "https://content.markor.com/content/all/images/cool-games.jpg",
  "gameConfiguration": {
    "name": "Panda Warriors - 25 Line - 95.98% RTP",
    "rtp": [
      "25 Line - 95.98% RTP"
    ],
    "maxPaylines": 25,
    "paylineOffsets": [
      [
        1,
        1,
        1,
        1,
        1
      ],
      [
        0,
        0,
        0,
        0,
        0
      ]
    ],
    "reelLayouts": [
      {
        "reels": [
          {
            "symbols": [
              "L3",
              "MV1",
              "L4",
              "L2"
            ],
```

```
            "reelSize": 90
        },
        {
          "symbols": [
            "L3",
            "MV1",
            "L4",
            "L1",
            "L2"
          ],
          "reelSize": 90
        },
        {
          "symbols": [
            "L3",
            "MV1",
            "L4",
            "L2",
            "L1"
          ],
          "reelSize": 90
        },
        {
          "symbols": [
            "L3",
            "MV1",
            "L4",
            "L2",
            "L1"
          ],
          "reelSize": 90
        },
        {
          "symbols": [
            "L3",
            "MV1",
            "L4",
            "L2",
            "L1"
          ],
          "reelSize": 90
        }
      ],
      "weight": 100,
      "reelCount": 5
    }
  ],
  "bonusConfiguration": {
    "freeSpinConfiguration": {
      "freeSpinSymbol": "SCATTER",
      "reelLayouts": [
        {
          "reels": [
            {
              "symbols": [
```

```
              "L3",
              "MV1",
              "L4",
              "L2",
              "L1"
            ],
            "reelSize": 90
          },
          {
            "symbols": [
              "L3",
              "MV1",
              "L4",
              "L1",
              "L2",
              "L4"
            ],
            "reelSize": 90
          },
          {
            "symbols": [
              "L3",
              "MV1",
              "L4",
              "L2",
              "L1"
            ],
            "reelSize": 90
          },
          {
            "symbols": [
              "L3",
              "MV1",
              "L4",
              "L2",
              "L1"
            ],
            "reelSize": 90
          },
          {
            "symbols": [
              "L3",
              "MV1",
              "L4",
              "L2",
              "L1"
            ],
            "reelSize": 90
          }
        ],
        "weight": 100,
        "reelCount": 5
      }
    ],
    "minimumFreeSpinSymbolsToWin": 3,
```

```json
      "pickBonuses": [
        {
          "value": 2,
          "type": "FREESPINS"
        },
        {
          "value": 3,
          "type": "FREESPINS"
        }
      ],
      "multiplier": 1
    }
  },
  "symbolStakeMultipliers": {
    "WILD": [
      0,
      10,
      25,
      50,
      100
    ],
    "MV1": [
      0,
      5,
      10,
      25,
      50
    ]
  },
  "visibleRows": 3,
  "noOfReels": 5,
  "wildMultiplier": 1,
  "scatterMultipliers": [
    0,
    0,
    5,
    0,
    0
  ]
},
"winningCelebrations": [
  {
    "name": "bigwin",
    "stakeToWinningsRatioConsequent": 30
  },
  {
    "name": "hugewin",
    "stakeToWinningsRatioConsequent": 50
  },
  {
    "name": "gaintwin",
    "stakeToWinningsRatioConsequent": 75
  }
],
"stakeConfig": {
```

```json
    "USD": {
      "minStake": 0.1,
      "maxStake": 1,
      "stakeLadder": [
        0.1,
        0.25,
        0.5,
        0.75,
        1
      ]
    },
    "GBP": {
      "minStake": 0.1,
      "maxStake": 1,
      "stakeLadder": [
        0.1,
        0.25,
        0.5,
        0.75,
        1
      ]
    },
    "CRD": {
      "minStake": 0.1,
      "maxStake": 1,
      "stakeLadder": [
        10,
        25,
        50,
        75,
        100
      ]
    },
    "SEK": {
      "minStake": 0.1,
      "maxStake": 1,
      "stakeLadder": [
        0.1,
        0.25,
        0.5,
        0.75,
        1
      ]
    }
  },
  "gambleConfig": null,
  "showLobbyBtn": false,
  "showFullscreenBtn": false,
  "showDepositBtn": false,
  "implementation": ""
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	Required	Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

PANDA WARRIORS SLOTS INITIALIZE

API to get all the basic player details like player account balances, reality check info, custom stake settings if any configured for the player. Game Play State object is null for regular plays. But if there are unfinished games, gamePlayState is returned with the unfinished game.

ENDPOINT URL:

/api/player/slots/initialise?gameSkin=panda-warriors

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS WITH PENDING FREESPINS FOR GAME

```json
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 600,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC",
      "US"
    ],
    "stakeLadder": null,
    "message": null,
    "sessionElapsedTime": 1
  },
```

```json
    "gamePlayState": null,
  "freeSpinState": {
    "playerFreeSpinId": "5c6a14d914867a081a3cf818",
    "freeSpinsRemaining": 5,
    "freeSpinsAwarded": 5,
    "totalWin": null,
    "stake": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "USD 1.00"
    },
    "noOfLines": 25,
    "pendingFreeSpinGameResponse": null
  }
}
```

RESPONSE SAMPLE SUCCESS WITH UNFINISHED GAME

```json
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "492.80",
        "currency": "USD",
        "pretty": "USD 492.80"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "492.80",
        "currency": "USD",
        "pretty": "USD 492.80"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 600,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC",
      "US"
    ],
    "stakeLadder": null,
    "message": null,
```

```
      "sessionElapsedTime": 3
    },
  "gamePlayState": {
    "gameRoundId": "5c6a11d214867a07e9edfc02",
    "gameRoundState": null,
    "status": "IN_PROGRESS",
    "gameResponse": {
      "gameRoundId": "5c6a11d214867a07e9edfc02",
      "status": "IN_PROGRESS",
      "balance": {
        "cashBalance": {
          "amount": "492.80",
          "currency": "USD",
          "pretty": "USD 492.80"
        },
        "bonusBalance": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "USD 0.00"
        },
        "totalBalance": {
          "amount": "492.80",
          "currency": "USD",
          "pretty": "USD 492.80"
        },
        "playerWithhold": null
      },
      "messageDetails": null,
      "demoPlay": false,
      "stakePerLine": {
        "amount": "0.10",
        "currency": "USD",
        "pretty": "USD 0.10"
      },
      "stakeAmount": null,
      "numberOfLines": 25,
      "reelStops": [
        15,
        42,
        76,
        27,
        34
      ],
      "freeSpinsRemaining": 1,
      "freeSpinsWon": 1,
      "bonusAwarded": "RESPIN",
      "spinPayout": 0.00,
      "totalPayout": 0.00,
      "winningCelebration": null,
      "winningLines": [

      ],
      "winningLineAmounts": [

      ],
```

```
      "symbolCounts": {

      },
      "expandingReels": [
        0,
        4
      ],
      "isGambleEligible": false,
      "gambleAttemptsLeft": 0,
      "freeSpinState": null,
      "unfinishedGame": null,
      "scatterWinnings": {
        "winAmount": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "USD 0.00"
        },
        "count": 0,
        "positions": {
          "symbol": "SCATTER",
          "count": 0,
          "symbolIndex": [
            -1,
            -1,
            -1,
            -1,
            -1
          ]
        }
      },
      "selectedMultiplier": 0,
      "selectedSpins": 0,
      "pickBonuses": [

      ],
      "showPickBonuses": false
    }
  },
  "freeSpinState": null
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	Required	Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

PANDA WARRIORS SLOTS SPIN

API to trigger the spin for the Panda Warriors slots game. For Regular Spin, status is returned as COMPLETE with winning pay lines and amount. When free spins are won, status is returned as IN_PROGRESS with no of free spins won and free spins remaining. Subsequent request for free spin should be a "FREESPIN CONTINUE" until the number of free spins remaining is zero.

ENDPOINT URL:

/api/games/pw/slots/spin

REQUEST METHOD: POST

REQUEST PAYLOAD

```json
{
  "gameSkin": "panda-warriors",
  "stake": {
    "currency": "USD",
    "amount": 1
  },
  "numberOfLines": 25
}
```

RESPONSE SAMPLE SUCCESS

```json
{
  "gameRoundId": "5c6a117914867a07e9edfbfe",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "499.80",
      "currency": "USD",
      "pretty": "USD 499.80"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "499.80",
      "currency": "USD",
      "pretty": "USD 499.80"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "0.10",
    "currency": "USD",
    "pretty": "USD 0.10"
```

```
  },
  "stakeAmount": null,
  "numberOfLines": 25,
  "reelStops": [
    63,
    86,
    76,
    2,
    83
  ],
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "spinPayout": 2.30,
  "totalPayout": 2.30,
  "winningCelebration": null,
  "winningLines": [
    1,
    2,
    3,
    8,
    9,
    16,
    17,
    18,
    19
  ],
  "winningLineAmounts": [
    0.10,
    0.50,
    0.10,
    0.50,
    0.20,
    0.10,
    0.20,
    0.50,
    0.10
  ],
  "symbolCounts": {
    "0": {
      "symbol": "L4",
      "count": 2,
      "symbolIndex": [
        1,
        1
      ]
    },
    "1": {
      "symbol": "MV2",
      "count": 2,
      "symbolIndex": [
        0,
        0
      ]
    },
```

```
  "2": {
    "symbol": "L3",
    "count": 2,
    "symbolIndex": [
      2,
      2
    ]
  },
  "3": {
    "symbol": "MV2",
    "count": 2,
    "symbolIndex": [
      0,
      0
    ]
  },
  "4": {
    "symbol": "L3",
    "count": 3,
    "symbolIndex": [
      2,
      2,
      1
    ]
  },
  "5": {
    "symbol": "L4",
    "count": 2,
    "symbolIndex": [
      1,
      1
    ]
  },
  "6": {
    "symbol": "L4",
    "count": 3,
    "symbolIndex": [
      1,
      1,
      2
    ]
  },
  "7": {
    "symbol": "MV2",
    "count": 2,
    "symbolIndex": [
      0,
      0
    ]
  },
  "8": {
    "symbol": "L3",
    "count": 2,
    "symbolIndex": [
      2,
```

```
            2
        ]
    }
},
"expandingReels": [

],
"isGambleEligible": false,
"gambleAttemptsLeft": 0,
"freeSpinState": null,
"unfinishedGame": null,
"scatterWinnings": {
    "winAmount": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
    },
    "count": 0,
    "positions": {
        "symbol": "SCATTER",
        "count": 0,
        "symbolIndex": [
            -1,
            -1,
            -1,
            -1,
            -1
        ]
    }
},
"selectedMultiplier": 0,
"selectedSpins": 0,
"pickBonuses": [

],
"showPickBonuses": false
}
```

RESPONSE SAMPLE SUCCESS WITH RESPIN

```
{
    "gameRoundId": "5c6a11d214867a07e9edfc02",
    "status": "IN_PROGRESS",
    "balance": {
        "cashBalance": {
            "amount": "492.80",
            "currency": "USD",
            "pretty": "USD 492.80"
        },
        "bonusBalance": {
            "amount": "0.00",
            "currency": "USD",
            "pretty": "USD 0.00"
        },
        "totalBalance": {
            "amount": "492.80",
```

```
      "currency": "USD",
      "pretty": "USD 492.80"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "0.10",
    "currency": "USD",
    "pretty": "USD 0.10"
  },
  "stakeAmount": null,
  "numberOfLines": 25,
  "reelStops": [
    15,
    42,
    76,
    27,
    34
  ],
  "freeSpinsRemaining": 1,
  "freeSpinsWon": 1,
  "bonusAwarded": "RESPIN",
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "symbolCounts": {

  },
  "expandingReels": [
    0,
    4
  ],
  "isGambleEligible": false,
  "gambleAttemptsLeft": 0,
  "freeSpinState": null,
  "unfinishedGame": null,
  "scatterWinnings": {
    "winAmount": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "count": 0,
    "positions": {
      "symbol": "SCATTER",
      "count": 0,
      "symbolIndex": [
```

```
            -1,
            -1,
            -1,
            -1,
            -1
        ]
    }
  },
  "selectedMultiplier": 0,
  "selectedSpins": 0,
  "pickBonuses": [

  ],
  "showPickBonuses": false
}
```

RESPONSE SAMPLE SUCCESS WITH FREE GAMES

```
{
  "gameRoundId": "5c6a132614867a07e9edfc31",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "440.70",
      "currency": "USD",
      "pretty": "USD 440.70"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "440.70",
      "currency": "USD",
      "pretty": "USD 440.70"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "0.10",
    "currency": "USD",
    "pretty": "USD 0.10"
  },
  "stakeAmount": null,
  "numberOfLines": 25,
  "reelStops": [
    73,
    70,
    7,
    72,
    27
  ],
```

```
"freeSpinsRemaining": 5,
"freeSpinsWon": 5,
"bonusAwarded": "FREE_SPIN",
"spinPayout": 13.20,
"totalPayout": 13.20,
"winningCelebration": null,
"winningLines": [
  21,
  25
],
"winningLineAmounts": [
  0.50,
  0.20
],
"symbolCounts": {
  "0": {
    "symbol": "L2",
    "count": 3,
    "symbolIndex": [
      2,
      0,
      0
    ]
  },
  "1": {
    "symbol": "L2",
    "count": 2,
    "symbolIndex": [
      2,
      0
    ]
  }
},
"expandingReels": [

],
"isGambleEligible": false,
"gambleAttemptsLeft": 0,
"freeSpinState": null,
"unfinishedGame": null,
"scatterWinnings": {
  "winAmount": {
    "amount": "12.50",
    "currency": "USD",
    "pretty": "USD 12.50"
  },
  "count": 3,
  "positions": {
    "symbol": "SCATTER",
    "count": 3,
    "symbolIndex": [
      0,
      -1,
      2,
      -1,
```

```
          1
      ]
    }
  },
  "selectedMultiplier": 18,
  "selectedSpins": 5,
  "pickBonuses": [
    {
      "value": 2,
      "type": "MULTIPLIER"
    },
    {
      "value": 8,
      "type": "MULTIPLIER"
    },
    {
      "value": 3,
      "type": "MULTIPLIER"
    },
    {
      "value": 5,
      "type": "FREESPINS"
    },
    {
      "value": 5,
      "type": "MULTIPLIER"
    }
  ],
  "showPickBonuses": true
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	Required	Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.
stake- currency, amount	Required	Bet Amount and currency
numberOfLines	Required	Number of lines bet on (25 for Panda Warriors)

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

PANDA WARRIORS SLOTS FREESPIN CONTINUE

Freespin API which is invoked when free spins are won in the Respin feature or Free Spins feature. Continue request needs to be sent until all the freespins are played out. All the free spins are bound to the same game round.

ENDPOINT URL:

/api/games/pw/slots/continue

REQUEST METHOD: POST

REQUEST PAYLOAD

```json
{
  "gameRoundId": "5c03e741f0f83e177516358e",
  "gameSkin": "panda-warriors"
}
```

RESPONSE SAMPLE SLOTS FOR RESPIN

```json
{
  "gameRoundId": "5c6a11d214867a07e9edfc02",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "502.00",
      "currency": "USD",
      "pretty": "USD 502.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "502.00",
      "currency": "USD",
      "pretty": "USD 502.00"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "0.10",
    "currency": "USD",
    "pretty": "USD 0.10"
  },
  "stakeAmount": null,
  "numberOfLines": 25,
  "reelStops": [
    29,
    20,
    20,
```

```
    13,
    2
],
"freeSpinsRemaining": 0,
"freeSpinsWon": 0,
"bonusAwarded": "NONE",
"spinPayout": 9.20,
"totalPayout": 9.20,
"winningCelebration": null,
"winningLines": [
  1,
  2,
  3,
  4,
  5,
  6,
  7,
  8,
  9,
  10,
  11,
  12,
  13,
  14,
  15,
  16,
  17,
  18,
  19,
  20,
  21,
  22,
  23,
  24,
  25
],
"winningLineAmounts": [
  0.20,
  1.00,
  0.50,
  0.10,
  0.10,
  1.00,
  0.50,
  0.50,
  0.20,
  0.20,
  0.50,
  0.20,
  0.20,
  0.10,
  0.10,
  0.10,
  0.10,
  0.50,
```

```
        0.20,
        0.50,
        1.00,
        0.20,
        0.50,
        0.20,
        0.50
    ],
    "symbolCounts": {
      "0": {
        "symbol": "L3",
        "count": 3,
        "symbolIndex": [
          1,
          1,
          1
        ]
      },
      "1": {
        "symbol": "MV2",
        "count": 3,
        "symbolIndex": [
          0,
          0,
          0
        ]
      },
      "2": {
        "symbol": "L2",
        "count": 3,
        "symbolIndex": [
          2,
          2,
          2
        ]
      },
      "3": {
        "symbol": "L3",
        "count": 2,
        "symbolIndex": [
          0,
          1
        ]
      },
      "4": {
        "symbol": "L3",
        "count": 2,
        "symbolIndex": [
          2,
          1
        ]
      },
      "5": {
        "symbol": "MV2",
        "count": 3,
```

```json
      "symbolIndex": [
        1,
        0,
        0
      ]
    },
    "6": {
      "symbol": "L2",
      "count": 3,
      "symbolIndex": [
        1,
        2,
        2
      ]
    },
    "7": {
      "symbol": "MV2",
      "count": 2,
      "symbolIndex": [
        0,
        0
      ]
    },
    "8": {
      "symbol": "L2",
      "count": 2,
      "symbolIndex": [
        2,
        2
      ]
    },
    "9": {
      "symbol": "L2",
      "count": 2,
      "symbolIndex": [
        1,
        2
      ]
    },
    "10": {
      "symbol": "MV2",
      "count": 2,
      "symbolIndex": [
        1,
        0
      ]
    },
    "11": {
      "symbol": "L3",
      "count": 3,
      "symbolIndex": [
        0,
        1,
        1
      ]
```

```json
    },
    "12": {
      "symbol": "L3",
      "count": 3,
      "symbolIndex": [
        2,
        1,
        1
      ]
    },
    "13": {
      "symbol": "L3",
      "count": 2,
      "symbolIndex": [
        0,
        1
      ]
    },
    "14": {
      "symbol": "L3",
      "count": 2,
      "symbolIndex": [
        2,
        1
      ]
    },
    "15": {
      "symbol": "L3",
      "count": 2,
      "symbolIndex": [
        1,
        1
      ]
    },
    "16": {
      "symbol": "L3",
      "count": 2,
      "symbolIndex": [
        1,
        1
      ]
    },
    "17": {
      "symbol": "MV2",
      "count": 2,
      "symbolIndex": [
        0,
        0
      ]
    },
    "18": {
      "symbol": "L2",
      "count": 2,
      "symbolIndex": [
        2,
```

```
            2
        ]
    },
    "19": {
        "symbol": "L2",
        "count": 3,
        "symbolIndex": [
            0,
            2,
            2
        ]
    },
    "20": {
        "symbol": "MV2",
        "count": 3,
        "symbolIndex": [
            2,
            0,
            0
        ]
    },
    "21": {
        "symbol": "L2",
        "count": 2,
        "symbolIndex": [
            1,
            2
        ]
    },
    "22": {
        "symbol": "MV2",
        "count": 2,
        "symbolIndex": [
            1,
            0
        ]
    },
    "23": {
        "symbol": "L2",
        "count": 2,
        "symbolIndex": [
            0,
            2
        ]
    },
    "24": {
        "symbol": "MV2",
        "count": 2,
        "symbolIndex": [
            2,
            0
        ]
    }
},
"expandingReels": [
```

```
    0,
    4
  ],
  "isGambleEligible": false,
  "gambleAttemptsLeft": 0,
  "freeSpinState": null,
  "unfinishedGame": null,
  "scatterWinnings": {
    "winAmount": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "count": 0,
    "positions": {
      "symbol": "SCATTER",
      "count": 0,
      "symbolIndex": [
        -1,
        -1,
        -1,
        -1,
        -1
      ]
    }
  },
  "selectedMultiplier": 0,
  "selectedSpins": 0,
  "pickBonuses": [

  ],
  "showPickBonuses": false
}
```

RESPONSE SAMPLE SLOTS FOR FREESPIN CONTINUE

```
{
  "gameRoundId": "5c6a132614867a07e9edfc31",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "438.20",
      "currency": "USD",
      "pretty": "USD 438.20"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "438.20",
      "currency": "USD",
      "pretty": "USD 438.20"
```

```json
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "0.10",
    "currency": "USD",
    "pretty": "USD 0.10"
  },
  "stakeAmount": null,
  "numberOfLines": 25,
  "reelStops": [
    15,
    42,
    22,
    45,
    23
  ],
  "freeSpinsRemaining": 4,
  "freeSpinsWon": 0,
  "bonusAwarded": "FREE_SPIN",
  "spinPayout": 7.20,
  "totalPayout": 20.40,
  "winningCelebration": null,
  "winningLines": [
    4,
    12,
    14
  ],
  "winningLineAmounts": [
    0.10,
    0.20,
    0.10
  ],
  "symbolCounts": {
    "0": {
      "symbol": "L4",
      "count": 2,
      "symbolIndex": [
        0,
        1
      ]
    },
    "1": {
      "symbol": "L4",
      "count": 3,
      "symbolIndex": [
        0,
        1,
        1
      ]
    },
    "2": {
      "symbol": "L4",
```

```
      "count": 2,
      "symbolIndex": [
        0,
        1
      ]
    }
  },
  "expandingReels": [

  ],
  "isGambleEligible": false,
  "gambleAttemptsLeft": 0,
  "freeSpinState": null,
  "unfinishedGame": null,
  "scatterWinnings": {
    "winAmount": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "count": 0,
    "positions": {
      "symbol": "SCATTER",
      "count": 0,
      "symbolIndex": [
        -1,
        -1,
        -1,
        -1,
        -1
      ]
    }
  },
  "selectedMultiplier": 18,
  "selectedSpins": 5,
  "pickBonuses": [
    {
      "value": 2,
      "type": "MULTIPLIER"
    },
    {
      "value": 8,
      "type": "MULTIPLIER"
    },
    {
      "value": 3,
      "type": "MULTIPLIER"
    },
    {
      "value": 5,
      "type": "FREESPINS"
    },
    {
      "value": 5,
      "type": "MULTIPLIER"
```

```
    }
  ],
  "showPickBonuses": false
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	Required	Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.
gameRoundId	Required	Game Round of the triggering spin

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

PANDA WARRIORS SLOTS AWARDED FREESPINS

Awarded Freespins API for Panda Warriors which is invoked when free spins are awarded by the operator and the player freespin id is passed as part of the initialize reponse. Freespins request needs to be sent until all the all the freespins awarded are played out by the player. The last free spin response would return if there are any unfinished games pending for the player and the current game

ENDPOINT URL:

/api/games/pw/slots/freespin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "playerFreeSpinId": "5c03ed3df0f83e1870e5f9a4",
  "gameSkin": "panda-warriors"
}
```

RESPONSE SAMPLE SLOTS INTERMEDIATE AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5c6a15d014867a07e9edfc35",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "578.00",
      "currency": "USD",
      "pretty": "USD 578.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "578.00",
      "currency": "USD",
      "pretty": "USD 578.00"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 25,
  "reelStops": [
```

```
      36,
      82,
      71,
      53,
      82
  ],
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "spinPayout": 73.00,
  "totalPayout": 73.00,
  "winningCelebration": null,
  "winningLines": [
    2,
    3,
    8,
    9,
    18,
    19
  ],
  "winningLineAmounts": [
    50.00,
    1.00,
    10.00,
    5.00,
    5.00,
    2.00
  ],
  "symbolCounts": {
    "0": {
      "symbol": "MV2",
      "count": 5,
      "symbolIndex": [
        0,
        0,
        0,
        0,
        0
      ]
    },
    "1": {
      "symbol": "L4",
      "count": 2,
      "symbolIndex": [
        2,
        2
      ]
    },
    "2": {
      "symbol": "MV2",
      "count": 3,
      "symbolIndex": [
        0,
        0,
        1
```

```
      ]
    },
    "3": {
      "symbol": "L4",
      "count": 4,
      "symbolIndex": [
        2,
        2,
        1,
        0
      ]
    },
    "4": {
      "symbol": "MV2",
      "count": 2,
      "symbolIndex": [
        0,
        0
      ]
    },
    "5": {
      "symbol": "L4",
      "count": 3,
      "symbolIndex": [
        2,
        2,
        0
      ]
    }
  },
  "expandingReels": [

  ],
  "isGambleEligible": false,
  "gambleAttemptsLeft": 0,
  "freeSpinState": {
    "playerFreeSpinId": "5c6a14d914867a081a3cf818",
    "freeSpinsRemaining": 3,
    "freeSpinsAwarded": 5,
    "totalWin": {
      "amount": "78.00",
      "currency": "USD",
      "pretty": "USD 78.00"
    },
    "stake": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "USD 1.00"
    },
    "noOfLines": 25,
    "pendingFreeSpinGameResponse": null
  },
  "unfinishedGame": null,
  "scatterWinnings": {
    "winAmount": {
```

```
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "count": 0,
      "positions": {
        "symbol": "SCATTER",
        "count": 0,
        "symbolIndex": [
          -1,
          -1,
          -1,
          -1,
          -1
        ]
      }
    },
    "selectedMultiplier": 0,
    "selectedSpins": 0,
    "pickBonuses": [

    ],
    "showPickBonuses": false
}
```

RESPONSE SAMPLE SLOTS LAST AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5c6a160c14867a07e9edfc38",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "593.00",
      "currency": "USD",
      "pretty": "USD 593.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "593.00",
      "currency": "USD",
      "pretty": "USD 593.00"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "stakeAmount": null,
```

```
"numberOfLines": 25,
"reelStops": [
  76,
  2,
  6,
  45,
  45
],
"freeSpinsRemaining": 0,
"freeSpinsWon": 0,
"bonusAwarded": "NONE",
"spinPayout": 9.00,
"totalPayout": 9.00,
"winningCelebration": null,
"winningLines": [
  3,
  9,
  19
],
"winningLineAmounts": [
  2.00,
  5.00,
  2.00
],
"symbolCounts": {
  "0": {
    "symbol": "L2",
    "count": 2,
    "symbolIndex": [
      2,
      2
    ]
  },
  "1": {
    "symbol": "L2",
    "count": 3,
    "symbolIndex": [
      2,
      2,
      1
    ]
  },
  "2": {
    "symbol": "L2",
    "count": 2,
    "symbolIndex": [
      2,
      2
    ]
  }
},
"expandingReels": [

],
"isGambleEligible": false,
```

```json
    "gambleAttemptsLeft": 0,
  "freeSpinState": {
    "playerFreeSpinId": "5c6a14d914867a081a3cf818",
    "freeSpinsRemaining": 0,
    "freeSpinsAwarded": 5,
    "totalWin": {
      "amount": "108.00",
      "currency": "USD",
      "pretty": "USD 108.00"
    },
    "stake": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "USD 1.00"
    },
    "noOfLines": 25,
    "pendingFreeSpinGameResponse": null
  },
  "unfinishedGame": {
    "gameRoundId": "5c6a12f214867a07e9edfc09",
    "gameRoundState": null,
    "status": "IN_PROGRESS",
    "gameResponse": {
      "gameRoundId": "5c6a12f214867a07e9edfc09",
      "status": "IN_PROGRESS",
      "balance": {
        "cashBalance": {
          "amount": "488.90",
          "currency": "USD",
          "pretty": "USD 488.90"
        },
        "bonusBalance": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "USD 0.00"
        },
        "totalBalance": {
          "amount": "488.90",
          "currency": "USD",
          "pretty": "USD 488.90"
        },
        "playerWithhold": null
      },
      "messageDetails": null,
      "demoPlay": false,
      "stakePerLine": {
        "amount": "0.10",
        "currency": "USD",
        "pretty": "USD 0.10"
      },
      "stakeAmount": null,
      "numberOfLines": 25,
      "reelStops": [
        60,
        41,
```

```json
      85,
      27,
      42
    ],
    "freeSpinsRemaining": 1,
    "freeSpinsWon": 1,
    "bonusAwarded": "RESPIN",
    "spinPayout": 0.50,
    "totalPayout": 0.50,
    "winningCelebration": null,
    "winningLines": [
      5,
      13,
      15,
      21,
      25
    ],
    "winningLineAmounts": [
      0.10,
      0.10,
      0.10,
      0.10,
      0.10
    ],
    "symbolCounts": {
      "0": {
        "symbol": "L3",
        "count": 2,
        "symbolIndex": [
          2,
          1
        ]
      },
      "1": {
        "symbol": "L3",
        "count": 2,
        "symbolIndex": [
          2,
          1
        ]
      },
      "2": {
        "symbol": "L3",
        "count": 2,
        "symbolIndex": [
          2,
          1
        ]
      },
      "3": {
        "symbol": "L3",
        "count": 2,
        "symbolIndex": [
          2,
          0
```

```
          ]
        },
        "4": {
          "symbol": "L3",
          "count": 2,
          "symbolIndex": [
            2,
            0
          ]
        }
      },
      "expandingReels": [
        0,
        4
      ],
      "isGambleEligible": false,
      "gambleAttemptsLeft": 0,
      "freeSpinState": null,
      "unfinishedGame": null,
      "scatterWinnings": {
        "winAmount": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "USD 0.00"
        },
        "count": 0,
        "positions": {
          "symbol": "SCATTER",
          "count": 0,
          "symbolIndex": [
            -1,
            -1,
            -1,
            -1,
            -1
          ]
        }
      },
      "selectedMultiplier": 0,
      "selectedSpins": 0,
      "pickBonuses": [

      ],
      "showPickBonuses": false
    }
  },
  "scatterWinnings": {
    "winAmount": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "count": 0,
    "positions": {
      "symbol": "SCATTER",
```

```
      "count": 0,
      "symbolIndex": [
        -1,
        -1,
        -1,
        -1,
        -1
      ]
    }
  },
  "selectedMultiplier": 0,
  "selectedSpins": 0,
  "pickBonuses": [

  ],
  "showPickBonuses": false
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "7003",
  "description": "Invalid Player Free Spin ID"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
playerFreeSpinId	*Required*	*Player free spin id provided in initialize response*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round
7002	Invalid Player for the campaign
7003	Invalid Player Free Spin ID

EXTRA FORTUNE SLOTS GAME CONFIG

API to get the configuration of the slot game like reel layout, bonus configuration, symbol stake multiplier, paylines for Extra Fortune game.

ENDPOINT URL:

/api/games/ef/slots/config?gameSkin=extra-fortune

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```json
{
  "autoSpinEnabled": true,
  "realityCheckEnabled": true,
  "depositUrl": "http://test-brand.dev.markor.com/",
  "historyUrl": "http://test-brand.dev.markor.com/",
  "domainName": "http://test-brand.dev.markor.com/",
  "loginUrl": "http://test-brand.dev.markor.com/",
  "demoPlayDepositUrl": "https://gs7.qa.markor.com/demo/index.html",
  "loader": "https://content.markor.com/content/all/images/cool-games.jpg",
  "gameConfiguration": {
    "name": "Extra Fortune - 25 Line - 95.98% RTP",
    "rtp": [
      "25 Line - 95.98% RTP"
    ],
    "maxPaylines": 25,
    "paylineOffsets": [
      [
        1,
        1,
        1,
        1,
        1
      ],
      [
        0,
        0,
        0,
        0,
        0
      ]
    ],
    "reelLayouts": [
      {
        "reels": [
          {
            "symbols": [
              "L3",
              "MV1",
              "L4",
              "L2"
            ],
```

```json
          "reelSize": 90
        },
        {
          "symbols": [
            "L3",
            "MV1",
            "L4",
            "L3",
            "HV2"
          ],
          "reelSize": 90
        },
        {
          "symbols": [
            "L3",
            "MV1",
            "L4",
            "L1",
            "L3"
          ],
          "reelSize": 90
        },
        {
          "symbols": [
            "L3",
            "MV1",
            "L4",
            "L1",
            "HV2"
          ],
          "reelSize": 90
        },
        {
          "symbols": [
            "L3",
            "L1",
            "L4",
            "HV1"
          ],
          "reelSize": 90
        }
      ],
      "weight": 100,
      "reelCount": 5
    }
  ],
  "bonusConfiguration": {
    "freeSpinConfiguration": {
      "freeSpinSymbol": "SCATTER",
      "reelLayouts": [
        {
          "reels": [
            {
              "symbols": [
                "L3",
```

```
              "MV1",
              "L4",
              "L2",
              "HV1"
            ],
            "reelSize": 90
          },
          {
            "symbols": [
              "L3",
              "L2",
              "L4",
              "L3"
            ],
            "reelSize": 90
          },
          {
            "symbols": [
              "L3",
              "MV1",
              "L4",
              "L1"
            ],
            "reelSize": 90
          },
          {
            "symbols": [
              "L3",
              "MV1",
              "L4",
              "L1",
              "HV2"
            ],
            "reelSize": 90
          },
          {
            "symbols": [
              "L3",
              "HV2",
              "L4",
              "HV1",
              "L1"
            ],
            "reelSize": 90
          }
        ],
        "weight": 100,
        "reelCount": 5
      },
      {
        "reels": [
          {
            "symbols": [
              "L3",
              "MV1",
```

```
            "L4",
            "L2",
            "HV1"
          ],
          "reelSize": 90
        },
        {
          "symbols": [
            "L3",
            "MV1",
            "L4",
            "WILD",
            "HV2"
          ],
          "reelSize": 90
        },
        {
          "symbols": [
            "L3",
            "MV1",
            "L4",
            "L1",
            "WILD"
          ],
          "reelSize": 90
        },
        {
          "symbols": [
            "L3",
            "MV1",
            "L4",
            "L1",
            "HV2"
          ],
          "reelSize": 90
        },
        {
          "symbols": [
            "L3",
            "MV1",
            "L4",
            "HV1",
            "L1",
            "HV2"
          ],
          "reelSize": 90
        }
      ],
      "weight": 100,
      "reelCount": 5
    }
  ],
  "minimumFreeSpinSymbolsToWin": 3,
  "pickBonuses": [
    {
```

```
          "type": "GOLD",
          "freeSpins": 20,
          "multiplier": 2
        },
        {
          "type": "GOLD",
          "freeSpins": 20,
          "multiplier": 2
        },
        {
          "type": "GOLD",
          "freeSpins": 20,
          "multiplier": 2
        },
        {
          "type": "SILVER",
          "freeSpins": 15,
          "multiplier": 5
        },
        {
          "type": "SILVER",
          "freeSpins": 15,
          "multiplier": 5
        },
        {
          "type": "SILVER",
          "freeSpins": 15,
          "multiplier": 5
        },
        {
          "type": "BRONZE",
          "freeSpins": 10,
          "multiplier": 10
        },
        {
          "type": "BRONZE",
          "freeSpins": 10,
          "multiplier": 10
        },
        {
          "type": "BRONZE",
          "freeSpins": 10,
          "multiplier": 10
        }
      ],
      "multiplier": 1
    }
  },
  "symbolStakeMultipliers": {
    "WILD": [
      0,
      0,
      0,
      0,
      0
```

```
    ],
    "HV1": [
      0,
      10,
      25,
      50,
      100
    ]
  },
  "visibleRows": 3,
  "noOfReels": 5,
  "wildMultiplier": 1,
  "scatterMultipliers": [
    0,
    0,
    5,
    0,
    0
  ]
},
"winningCelebrations": [
  {
    "name": "bigwin",
    "stakeToWinningsRatioConsequent": 30
  },
  {
    "name": "megawin",
    "stakeToWinningsRatioConsequent": 45
  },
  {
    "name": "superwin",
    "stakeToWinningsRatioConsequent": 60
  }
],
"stakeConfig": {
  "USD": {
    "minStake": 0.1,
    "maxStake": 1,
    "stakeLadder": [
      0.1,
      0.25,
      0.5,
      0.75,
      1
    ]
  },
  "GBP": {
    "minStake": 0.1,
    "maxStake": 1,
    "stakeLadder": [
      0.1,
      0.25,
      0.5,
      0.75,
      1
```

```
      ]
    },
    "CRD": {
      "minStake": 0.1,
      "maxStake": 1,
      "stakeLadder": [
        10,
        25,
        50,
        75,
        100
      ]
    },
    "SEK": {
      "minStake": 0.1,
      "maxStake": 1,
      "stakeLadder": [
        0.1,
        0.25,
        0.5,
        0.75,
        1
      ]
    }
  },
  "gambleConfig": null,
  "showLobbyBtn": false,
  "showFullscreenBtn": false,
  "showDepositBtn": false,
  "implementation": ""
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

EXTRA FORTUNE SLOTS INITIALIZE

API to get all the basic player details like player account balances, reality check info, custom stake settings if any configured for the player. Game Play State object is null for regular plays. But if there are unfinished games, gamePlayState is returned with the unfinished game.

ENDPOINT URL:

/api/player/slots/initialise?gameSkin=extra-fortune

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS WITH PENDING FREESPINS FOR GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 600,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "message": null,
    "sessionElapsedTime": 0
  },
  "gamePlayState": null,
```

```
    "freeSpinState": {
      "playerFreeSpinId": "5c7624c244aa670bcb274ac2",
      "freeSpinsRemaining": 5,
      "freeSpinsAwarded": 5,
      "totalWin": null,
      "stake": {
        "amount": "1.00",
        "currency": "USD",
        "pretty": "USD 1.00"
      },
      "noOfLines": 25,
      "pendingFreeSpinGameResponse": null
    }
}
```

RESPONSE SAMPLE SUCCESS WITH UNFINISHED GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 600,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "message": null,
    "sessionElapsedTime": 0
  },
```

```json
  "gamePlayState": {
    "gameRoundId": "5c761c4f44aa670bc9cbf25b",
    "gameRoundState": null,
    "status": "IN_PROGRESS",
    "gameResponse": {
      "gameRoundId": "5c761c4f44aa670bc9cbf25b",
      "status": "IN_PROGRESS",
      "balance": {
        "cashBalance": {
          "amount": "595.30",
          "currency": "USD",
          "pretty": "USD 595.30"
        },
        "bonusBalance": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "USD 0.00"
        },
        "totalBalance": {
          "amount": "595.30",
          "currency": "USD",
          "pretty": "USD 595.30"
        },
        "playerWithhold": null
      },
      "messageDetails": null,
      "demoPlay": false,
      "stakePerLine": {
        "amount": "0.10",
        "currency": "USD",
        "pretty": "USD 0.10"
      },
      "stakeAmount": null,
      "numberOfLines": 25,
      "reelStops": [
        89,
        30,
        78,
        34,
        27
      ],
      "freeSpinsRemaining": 20,
      "freeSpinsWon": 20,
      "bonusAwarded": "FREE_SPIN",
      "spinPayout": 14.00,
      "totalPayout": 14.00,
      "winningCelebration": null,
      "winningLines": [
        5,
        13,
        15
      ],
      "winningLineAmounts": [
        0.50,
        0.50,
```

```
    0.50
  ],
  "symbolCounts": {
    "0": {
      "symbol": "MV1",
      "count": 2,
      "symbolIndex": [
        2,
        1
      ]
    },
    "1": {
      "symbol": "MV1",
      "count": 2,
      "symbolIndex": [
        2,
        1
      ]
    },
    "2": {
      "symbol": "MV1",
      "count": 2,
      "symbolIndex": [
        2,
        1
      ]
    }
  },
  "isGambleEligible": false,
  "gambleAttemptsLeft": 0,
  "freeSpinState": null,
  "unfinishedGame": null,
  "scatterWinnings": {
    "winAmount": {
      "amount": "12.50",
      "currency": "USD",
      "pretty": "USD 12.50"
    },
    "count": 3,
    "positions": {
      "symbol": "SCATTER",
      "count": 3,
      "symbolIndex": [
        0,
        -1,
        1,
        -1,
        1
      ]
    }
  },
  "selectedMultiplier": 2,
  "selectedSpins": 20,
  "pickBonuses": [
    {
```

```json
        "type": "GOLD",
        "freeSpins": 20,
        "multiplier": 2
      },
      {
        "type": "GOLD",
        "freeSpins": 20,
        "multiplier": 2
      },
      {
        "type": "BRONZE",
        "freeSpins": 10,
        "multiplier": 10
      },
      {
        "type": "GOLD",
        "freeSpins": 20,
        "multiplier": 2
      }
    ],
    "showPickBonuses": true
  }
},
"freeSpinState": null
}
```

RESPONSE SAMPLE FAILURE

```json
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

EXTRA FORTUNE SLOTS SPIN

API to trigger the spin for the Extra Fortune slots game. For Regular Spin, status is returned as COMPLETE with winning pay lines and amount. When free spins are won, status is returned as IN_PROGRESS with no of free spins won and free spins remaining. Subsequent request for free spin should be a "FREESPIN CONTINUE" until the number of free spins remaining is zero.

ENDPOINT URL:

/api/games/ef/slots/spin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameSkin": "extra-fortune",
  "stake": {
    "currency": "USD",
    "amount": 0.1
  },
  "numberOfLines": 25
}
```

RESPONSE SAMPLE SUCCESS

```
{
  "gameRoundId": "5c761c6544aa670bc9cbf269",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "572.70",
      "currency": "USD",
      "pretty": "USD 572.70"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "572.70",
      "currency": "USD",
      "pretty": "USD 572.70"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "0.10",
    "currency": "USD",
    "pretty": "USD 0.10"
```

```
  },
  "stakeAmount": null,
  "numberOfLines": 25,
  "reelStops": [
    60,
    3,
    46,
    45,
    31
  ],
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "spinPayout": 0.20,
  "totalPayout": 0.20,
  "winningCelebration": null,
  "winningLines": [
    25
  ],
  "winningLineAmounts": [
    0.20
  ],
  "symbolCounts": {
    "0": {
      "symbol": "L3",
      "count": 3,
      "symbolIndex": [
        2,
        0,
        2
      ]
    }
  },
  "isGambleEligible": false,
  "gambleAttemptsLeft": 0,
  "freeSpinState": null,
  "unfinishedGame": null,
  "scatterWinnings": {
    "winAmount": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "count": 0,
    "positions": {
      "symbol": "SCATTER",
      "count": 0,
      "symbolIndex": [
        -1,
        -1,
        -1,
        -1,
        -1
      ]
    }
  }
```

```
  },
  "selectedMultiplier": 0,
  "selectedSpins": 0,
  "pickBonuses": [

  ],
  "showPickBonuses": false
}
```

RESPONSE SAMPLE SUCCESS WITH RESPIN

```
{
  "gameRoundId": "5c761c6a44aa670bc9cbf26f",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "561.70",
      "currency": "USD",
      "pretty": "USD 561.70"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "561.70",
      "currency": "USD",
      "pretty": "USD 561.70"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "0.10",
    "currency": "USD",
    "pretty": "USD 0.10"
  },
  "stakeAmount": null,
  "numberOfLines": 25,
  "reelStops": [
    33,
    9,
    12,
    73,
    46
  ],
  "freeSpinsRemaining": 1,
  "freeSpinsWon": 1,
  "bonusAwarded": "RESPIN",
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "winningLines": [
```

```
  ],
  "winningLineAmounts": [

  ],
  "symbolCounts": {

  },
  "isGambleEligible": false,
  "gambleAttemptsLeft": 0,
  "freeSpinState": null,
  "unfinishedGame": null,
  "scatterWinnings": {
    "winAmount": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "count": 1,
    "positions": {
      "symbol": "SCATTER",
      "count": 1,
      "symbolIndex": [
        2,
        -1,
        -1,
        -1,
        -1
      ]
    }
  },
  "selectedMultiplier": 0,
  "selectedSpins": 0,
  "pickBonuses": [

  ],
  "showPickBonuses": false
}
```

RESPONSE SAMPLE SUCCESS WITH FREE GAMES

```
{
  "gameRoundId": "5c761bbf44aa670bc9cbf24c",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "496.40",
      "currency": "USD",
      "pretty": "USD 496.40"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "496.40",
```

```json
      "currency": "USD",
      "pretty": "USD 496.40"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "0.10",
    "currency": "USD",
    "pretty": "USD 0.10"
  },
  "stakeAmount": null,
  "numberOfLines": 25,
  "reelStops": [
    19,
    16,
    35,
    66,
    27
  ],
  "freeSpinsRemaining": 15,
  "freeSpinsWon": 15,
  "bonusAwarded": "FREE_SPIN",
  "spinPayout": 12.50,
  "totalPayout": 12.50,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "symbolCounts": {

  },
  "isGambleEligible": false,
  "gambleAttemptsLeft": 0,
  "freeSpinState": null,
  "unfinishedGame": null,
  "scatterWinnings": {
    "winAmount": {
      "amount": "12.50",
      "currency": "USD",
      "pretty": "USD 12.50"
    },
    "count": 3,
    "positions": {
      "symbol": "SCATTER",
      "count": 3,
      "symbolIndex": [
        2,
        -1,
        0,
        -1,
```

```
        1
    ]
  }
},
"selectedMultiplier": 5,
"selectedSpins": 15,
"pickBonuses": [
  {
    "type": "BRONZE",
    "freeSpins": 10,
    "multiplier": 10
  },
  {
    "type": "SILVER",
    "freeSpins": 15,
    "multiplier": 5
  },
  {
    "type": "BRONZE",
    "freeSpins": 10,
    "multiplier": 10
  },
  {
    "type": "SILVER",
    "freeSpins": 15,
    "multiplier": 5
  },
  {
    "type": "SILVER",
    "freeSpins": 15,
    "multiplier": 5
  }
],
  "showPickBonuses": true
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	Required	Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.
stake- currency, amount	Required	Bet Amount and currency
numberOfLines	Required	Number of lines bet on (25 for Extra Fortune)

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

EXTRA FORTUNE SLOTS FREESPIN CONTINUE

Freespin API which is invoked when free spins are won in the Respin feature or Free Spins feature. Continue request needs to be sent until all the freespins are played out. All the free spins are bound to the same game round.

ENDPOINT URL:

/api/games/ef/slots/continue

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameRoundId": "5c761bbf44aa670bc9cbf24c",
  "gameSkin": "extra-fortune"
}
```

RESPONSE SAMPLE SLOTS FOR RESPIN

```
{
  "gameRoundId": "5c761c6a44aa670bc9cbf26f",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "576.20",
      "currency": "USD",
      "pretty": "USD 576.20"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "576.20",
      "currency": "USD",
      "pretty": "USD 576.20"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "0.10",
    "currency": "USD",
    "pretty": "USD 0.10"
  },
  "stakeAmount": null,
  "numberOfLines": 25,
  "reelStops": [
    55,
    84,
    50,
```

```
      25,
      9
    ],
    "freeSpinsRemaining": 0,
    "freeSpinsWon": 0,
    "bonusAwarded": "NONE",
    "spinPayout": 14.50,
    "totalPayout": 14.50,
    "winningCelebration": null,
    "winningLines": [
      6,
      7,
      8,
      9,
      10,
      11,
      12,
      22,
      23
    ],
    "winningLineAmounts": [
      0.50,
      0.50,
      1.00,
      1.00,
      5.00,
      5.00,
      0.50,
      0.50,
      0.50
    ],
    "symbolCounts": {
      "0": {
        "symbol": "MV1",
        "count": 2,
        "symbolIndex": [
          1,
          0
        ]
      },
      "1": {
        "symbol": "MV1",
        "count": 2,
        "symbolIndex": [
          1,
          2
        ]
      },
      "2": {
        "symbol": "L1",
        "count": 4,
        "symbolIndex": [
          0,
          0,
          1,
```

```
        2
    ]
},
"3": {
    "symbol": "L3",
    "count": 5,
    "symbolIndex": [
        2,
        2,
        1,
        0,
        0
    ]
},
"4": {
    "symbol": "MV1",
    "count": 5,
    "symbolIndex": [
        1,
        2,
        1,
        0,
        1
    ]
},
"5": {
    "symbol": "MV1",
    "count": 5,
    "symbolIndex": [
        1,
        0,
        1,
        2,
        1
    ]
},
"6": {
    "symbol": "L1",
    "count": 3,
    "symbolIndex": [
        0,
        1,
        1
    ]
},
"7": {
    "symbol": "MV1",
    "count": 2,
    "symbolIndex": [
        1,
        2
    ]
},
"8": {
    "symbol": "MV1",
```

```
        "count": 2,
        "symbolIndex": [
          1,
          0
        ]
      }
    },
    "isGambleEligible": false,
    "gambleAttemptsLeft": 0,
    "freeSpinState": null,
    "unfinishedGame": null,
    "scatterWinnings": {
      "winAmount": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "count": 0,
      "positions": {
        "symbol": "SCATTER",
        "count": 0,
        "symbolIndex": [
          -1,
          -1,
          -1,
          -1,
          -1
        ]
      }
    },
    "selectedMultiplier": 0,
    "selectedSpins": 0,
    "pickBonuses": [

    ],
    "showPickBonuses": false
}
```

RESPONSE SAMPLE SLOTS FOR FREESPIN CONTINUE

```
{
  "gameRoundId": "5c761bbf44aa670bc9cbf24c",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "496.40",
      "currency": "USD",
      "pretty": "USD 496.40"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
```

```json
    "totalBalance": {
      "amount": "496.40",
      "currency": "USD",
      "pretty": "USD 496.40"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "0.10",
    "currency": "USD",
    "pretty": "USD 0.10"
  },
  "stakeAmount": null,
  "numberOfLines": 25,
  "reelStops": [
    8,
    52,
    2,
    79,
    23
  ],
  "freeSpinsRemaining": 3,
  "freeSpinsWon": 0,
  "bonusAwarded": "FREE_SPIN",
  "spinPayout": 0.00,
  "totalPayout": 94.50,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "symbolCounts": {

  },
  "isGambleEligible": false,
  "gambleAttemptsLeft": 0,
  "freeSpinState": null,
  "unfinishedGame": null,
  "scatterWinnings": {
    "winAmount": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "count": 1,
    "positions": {
      "symbol": "SCATTER",
      "count": 1,
      "symbolIndex": [
        -1,
        -1,
```

```
            -1,
            -1,
            0
        ]
    }
  },
  "selectedMultiplier": 5,
  "selectedSpins": 15,
  "pickBonuses": [
    {
      "type": "BRONZE",
      "freeSpins": 10,
      "multiplier": 10
    },
    {
      "type": "SILVER",
      "freeSpins": 15,
      "multiplier": 5
    },
    {
      "type": "BRONZE",
      "freeSpins": 10,
      "multiplier": 10
    },
    {
      "type": "SILVER",
      "freeSpins": 15,
      "multiplier": 5
    },
    {
      "type": "SILVER",
      "freeSpins": 15,
      "multiplier": 5
    }
  ],
  "showPickBonuses": false
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	Required	Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.
gameRoundId	Required	Game Round of the triggering spin

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

EXTRA FORTUNE SLOTS AWARDED FREESPINS

Awarded Freespins API for Extra Fortune which is invoked when free spins are awarded by the operator and the player freespin id is passed as part of the initialize reponse. Freespins request needs to be sent until all the all the freespins awarded are played out by the player. The last free spin response would return if there are any unfinished games pending for the player and the current game

ENDPOINT URL:

/api/games/ef/slots/freespin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "playerFreeSpinId": "5c7624c244aa670bcb274ac2",
  "gameSkin": "extra-fortune"
}
```

RESPONSE SAMPLE SLOTS INTERMEDIATE AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5c76258e44aa670bc9cbf272",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "502.00",
      "currency": "USD",
      "pretty": "USD 502.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "502.00",
      "currency": "USD",
      "pretty": "USD 502.00"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 25,
  "reelStops": [
```

```
        76,
        63,
        9,
        77,
        78
      ],
      "freeSpinsRemaining": 0,
      "freeSpinsWon": 0,
      "bonusAwarded": "NONE",
      "spinPayout": 2.00,
      "totalPayout": 2.00,
      "winningCelebration": null,
      "winningLines": [
        1
      ],
      "winningLineAmounts": [
        2.00
      ],
      "symbolCounts": {
        "0": {
          "symbol": "L3",
          "count": 3,
          "symbolIndex": [
            1,
            1,
            1
          ]
        }
      }
    },
    "isGambleEligible": false,
    "gambleAttemptsLeft": 0,
    "freeSpinState": {
      "playerFreeSpinId": "5c7624c244aa670bcb274ac2",
      "freeSpinsRemaining": 4,
      "freeSpinsAwarded": 5,
      "totalWin": {
        "amount": "2.00",
        "currency": "USD",
        "pretty": "USD 2.00"
      },
      "stake": {
        "amount": "1.00",
        "currency": "USD",
        "pretty": "USD 1.00"
      },
      "noOfLines": 25,
      "pendingFreeSpinGameResponse": null
    },
    "unfinishedGame": null,
    "scatterWinnings": {
      "winAmount": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
```

```
    "count": 1,
    "positions": {
      "symbol": "SCATTER",
      "count": 1,
      "symbolIndex": [
        -1,
        -1,
        0,
        -1,
        -1
      ]
    }
  },
  "selectedMultiplier": 0,
  "selectedSpins": 0,
  "pickBonuses": [

  ],
  "showPickBonuses": false
}
```

RESPONSE SAMPLE SLOTS LAST AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5c76260944aa670bc9cbf276",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "564.00",
      "currency": "USD",
      "pretty": "USD 564.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "564.00",
      "currency": "USD",
      "pretty": "USD 564.00"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 25,
  "reelStops": [
    1,
    41,
```

```
      36,
      43,
      75
    ],
    "freeSpinsRemaining": 0,
    "freeSpinsWon": 0,
    "bonusAwarded": "NONE",
    "spinPayout": 2.00,
    "totalPayout": 2.00,
    "winningCelebration": null,
    "winningLines": [
      7
    ],
    "winningLineAmounts": [
      2.00
    ],
    "symbolCounts": {
      "0": {
        "symbol": "L4",
        "count": 3,
        "symbolIndex": [
          1,
          2,
          2
        ]
      }
    },
    "isGambleEligible": false,
    "gambleAttemptsLeft": 0,
    "freeSpinState": {
      "playerFreeSpinId": "5c7624c244aa670bcb274ac2",
      "freeSpinsRemaining": 0,
      "freeSpinsAwarded": 5,
      "totalWin": {
        "amount": "64.00",
        "currency": "USD",
        "pretty": "USD 64.00"
      },
      "stake": {
        "amount": "1.00",
        "currency": "USD",
        "pretty": "USD 1.00"
      },
      "noOfLines": 25,
      "pendingFreeSpinGameResponse": null
    },
    "unfinishedGame": null,
    "scatterWinnings": {
      "winAmount": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "count": 0,
      "positions": {
```

```
      "symbol": "SCATTER",
      "count": 0,
      "symbolIndex": [
        -1,
        -1,
        -1,
        -1,
        -1
      ]
    }
  },
  "selectedMultiplier": 0,
  "selectedSpins": 0,
  "pickBonuses": [

  ],
  "showPickBonuses": false
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "7003",
  "description": "Invalid Player Free Spin ID"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
playerFreeSpinId	*Required*	*Player free spin id provided in initialize response*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round
7002	Invalid Player for the campaign
7003	Invalid Player Free Spin ID

FRUIT BLAST SKILLZZ GAME CONFIG

API to get the configuration of the game, like stake configuration, winning celebrations, cheat mode for Fruit Blast skillzz game.

ENDPOINT URL:

/api/games/skillzz/fb/config?gameSkin=fruit-blast

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```
{
  "autoSpinEnabled": true,
  "realityCheckEnabled": true,
  "depositUrl": "http://test-brand.dev.markor.com/",
  "historyUrl": "http://test-brand.dev.markor.com/",
  "domainName": "http://test-brand.dev.markor.com/",
  "loginUrl": "http://test-brand.dev.markor.com/",
  "demoPlayDepositUrl": "https://gs7.qa.markor.com/demo/index.html",
  "loader": "https://content.markor.com/content/all/images/cool-games.jpg",
  "gameConfiguration": {
    "name": "fruit-blast",
    "rtp": [],
    "cheatMode": true
  },
  "winningCelebrations": [
    {
      "name": "bigwin",
      "stakeToWinningsRatioConsequent": 30
    },
    {
      "name": "megawin",
      "stakeToWinningsRatioConsequent": 45
    },
    {
      "name": "superwin",
      "stakeToWinningsRatioConsequent": 60
    }
  ],
  "stakeConfig": {
    "USD": {
      "minStake": 0.1,
      "maxStake": 1,
      "stakeLadder": [
        0.1,
        0.25,
        0.5,
        0.75,
        1
      ]
    },
    "GBP": {
```

```
      "minStake": 0.1,
      "maxStake": 1,
      "stakeLadder": [
        0.1,
        0.25,
        0.5,
        0.75,
        1
      ]
    },
    "CRD": {
      "minStake": 0.1,
      "maxStake": 1,
      "stakeLadder": [
        10,
        25,
        50,
        75,
        100
      ]
    },
    "SEK": {
      "minStake": 0.1,
      "maxStake": 1,
      "stakeLadder": [
        0.1,
        0.25,
        0.5,
        0.75,
        1
      ]
    }
  },
  "gambleConfig": null,
  "showLobbyBtn": false,
  "showFullscreenBtn": false,
  "showDepositBtn": false,
  "implementation": ""
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

FRUIT BLAST SKILLZZ GAME INITIALIZE

API to get all the basic player details like player account balances, reality check info, custom stake settings if any configured for the player. Also return User Profile information previously stored for the player if any. User profile will be null, If no previous state of the player available at the RGS. Also Game Play State object is null for regular plays. But if there are unfinished games, gamePlayState is returned with the unfinished game.

ENDPOINT URL:

/api/player/skillzz/fb/initialise?gameSkin=fruit-blast

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS WITH PENDING FREESPINS FOR GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 600,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "message": null,
    "sessionElapsedTime": 0
  },
```

```
  "gamePlayState": null,
  "freeSpinState": {
    "playerFreeSpinId": "5c7624c244aa670bcb274ac2",
    "freeSpinsRemaining": 5,
    "freeSpinsAwarded": 5,
    "totalWin": null,
    "stake": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "USD 1.00"
    },
    "noOfLines": 25,
    "pendingFreeSpinGameResponse": null
  },
  "userProfile": {
      "level": 1,
      "lastBartender": 0,
      "xp": 0,
      "hints": "0,1,0,1,0,0,0,0,0",
      "achievements": "2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,
2,2,2,2,2,2,2,2,2,2,2,2,2,2,2",
      "newAchievements": "",
      "numOfGames": 0,
      "numOfWins": 0,
      "numOfLosses": 0,
      "winsInARow": 0,
      "totalBar1": 0,
      "totalBar2": 0,
      "totalBar3": 0,
      "totalBar4": 0,
      "totalBar5": 0,
      "freeRound": false,
      "totalBarsInRound": [
              null,
              null,
              null,
              null,
              null
      ],
      "lastBet": 0,
      "userState": {
              "rangeIndex": null,
              "win": null,
              "itemsIndex": null,
              "gameValue": null,
              "nextEvent": "play",
              "freeGamePayoutInCents": null,
              "freeGamesLeft": 0,
              "freeGameParentPayoutInCents": null,
              "freeGameIsParent": false,
              "flipMatrix": null,
              "lastScoreType": null,
              "bounsArr": null,
              "bounsMultiplyArr": null,
              "goldenTicket": null,
```

```
            "matrixIndex": null
        }
    }
}
```

RESPONSE SAMPLE SUCCESS WITH UNFINISHED GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 600,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "message": null,
    "sessionElapsedTime": 0
  },
  "gamePlayState": {
    "gameRoundId": "5c761c4f44aa670bc9cbf25b",
    "gameRoundState": null,
    "status": "IN_PROGRESS",
    "gameResponse": {
      "gameRoundId": "5c761c4f44aa670bc9cbf25b",
      "status": "IN_PROGRESS",
      "balance": {
        "cashBalance": {
          "amount": "595.30",
```

```
        "currency": "USD",
        "pretty": "USD 595.30"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "595.30",
        "currency": "USD",
        "pretty": "USD 595.30"
      },
      "playerWithhold": null
    },
    "messageDetails": null,
    "demoPlay": false,
    "stakeAmount": null,
    "freeSpinsRemaining": 20,
    "freeSpinsWon": 20,
    "bonusAwarded": "FREE_SPIN",
    "spinPayout": 14.00,
    "totalPayout": 14.00,
    "winningCelebration": null,
    "freeSpinState": null,
    "unfinishedGame": null,
    "userProfile": {
          "level": 1,
          "lastBartender": 0,
          "xp": 0,
          "hints": "0,1,0,1,0,0,0,0,0",
          "achievements": "2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,
2:0:0,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2",
          "newAchievements": "",
          "numOfGames": 0,
          "numOfWins": 0,
          "numOfLosses": 0,
          "winsInARow": 0,
          "totalBar1": 0,
          "totalBar2": 0,
          "totalBar3": 0,
          "totalBar4": 0,
          "totalBar5": 0,
          "freeRound": false,
          "totalBarsInRound": [
                    null,
                    null,
                    null,
                    null,
                    null
          ],
          "lastBet": 0,
          "userState": {
                  "rangeIndex": null,
                  "win": null,
```

```
                        "itemsIndex": null,
                        "gameValue": null,
                        "nextEvent": "play",
                        "freeGamePayoutInCents": null,
                        "freeGamesLeft": 0,
                        "freeGameParentPayoutInCents": null,
                        "freeGameIsParent": false,
                        "flipMatrix": null,
                        "lastScoreType": null,
                        "bounsArr": null,
                        "bounsMultiplyArr": null,
                        "goldenTicket": null,
                        "matrixIndex": null
                    }
                }
            }
        },
    "freeSpinState": null,
    "userProfile": null
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

FRUIT BLAST SKILLZZ GAME BET/PLAY REQUEST

API to trigger the bet for the Fruit Blast skillzz game. For Regular play, status is returned as COMPLETE with winning pay and user profile. When free games are won, status is returned as IN_PROGRESS with no of free games won and free games remaining. Subsequent request for 'gameCompleted' or free games should be a "FREESPIN CONTINUE" until the number of free games remaining is zero.

ENDPOINT URL:

/api/games/skillzz/fb/spin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameSkin": "fruit-blast",
  "stake": {
    "currency": "USD",
    "amount": 0.1
  },
  "fruitBlastGameParams": {
      "stake": {
        "currency": "USD",
        "amount": 0.1
      },
      "eventType": "play",
      "bartender": 0,
      "xp": 0,
      "hints": "",
      "newAchievements": "",
      "cheat": {
            "multiplier": 0,
            "jackpot": false,
            "bonus": false,
            "xp": 0
      }
  }
}
```

RESPONSE SAMPLE SUCCESS

```
{
  "gameRoundId": "5c761c6544aa670bc9cbf269",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "572.70",
      "currency": "USD",
      "pretty": "USD 572.70"
    },
    "bonusBalance": {
      "amount": "0.00",
```

```
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "572.70",
      "currency": "USD",
      "pretty": "USD 572.70"
    },
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakeAmount": null,
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "spinPayout": 0.20,
  "totalPayout": 0.20,
  "winningCelebration": null,
  "freeSpinState": null,
  "unfinishedGame": null,
  "userProfile": {
      "level": 1,
      "lastBartender": 0,
      "xp": 0,
      "hints": "0,1,0,1,0,0,0,0,0",
      "achievements": "2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,
2,2,2,2,2,2,2,2,2,2,2,2,2,2,2",
      "newAchievements": "",
      "numOfGames": 0,
      "numOfWins": 0,
      "numOfLosses": 0,
      "winsInARow": 0,
      "totalBar1": 0,
      "totalBar2": 0,
      "totalBar3": 0,
      "totalBar4": 0,
      "totalBar5": 0,
      "freeRound": false,
      "totalBarsInRound": [
              null,
              null,
              null,
              null,
              null
      ],
      "lastBet": 0,
      "userState": {
          "rangeIndex": null,
          "win": null,
          "itemsIndex": null,
          "gameValue": null,
          "nextEvent": "play",
          "freeGamePayoutInCents": null,
          "freeGamesLeft": 0,
          "freeGameParentPayoutInCents": null,
```

```
            "freeGameIsParent": false,
            "flipMatrix": null,
            "lastScoreType": null,
            "bounsArr": null,
            "bounsMultiplyArr": null,
            "goldenTicket": null,
            "matrixIndex": null
        }
    }
}
```

RESPONSE SAMPLE SUCCESS WITH FREE GAMES

```
{
  "gameRoundId": "5c761bbf44aa670bc9cbf24c",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "496.40",
      "currency": "USD",
      "pretty": "USD 496.40"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "496.40",
      "currency": "USD",
      "pretty": "USD 496.40"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "0.10",
    "currency": "USD",
    "pretty": "USD 0.10"
  },
  "stakeAmount": null,
  "freeSpinsRemaining": 15,
  "freeSpinsWon": 15,
  "bonusAwarded": "FREE_SPIN",
  "spinPayout": 12.50,
  "totalPayout": 12.50,
  "winningCelebration": null,
  "freeSpinState": null,
  "unfinishedGame": null,
  "userProfile": {
      "level": 1,
      "lastBartender": 0,
      "xp": 0,
      "hints": "0,1,0,1,0,0,0,0,0",
```

```json
        "achievements": "2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,
2,2,2,2,2,2,2,2,2,2,2,2,2,2,2",
        "newAchievements": "",
        "numOfGames": 0,
        "numOfWins": 0,
        "numOfLosses": 0,
        "winsInARow": 0,
        "totalBar1": 0,
        "totalBar2": 0,
        "totalBar3": 0,
        "totalBar4": 0,
        "totalBar5": 0,
        "freeRound": false,
        "totalBarsInRound": [
                null,
                null,
                null,
                null,
                null
        ],
        "lastBet": 0,
        "userState": {
                "rangeIndex": null,
                "win": null,
                "itemsIndex": null,
                "gameValue": null,
                "nextEvent": "play",
                "freeGamePayoutInCents": null,
                "freeGamesLeft": 0,
                "freeGameParentPayoutInCents": null,
                "freeGameIsParent": false,
                "flipMatrix": null,
                "lastScoreType": null,
                "bounsArr": null,
                "bounsMultiplyArr": null,
                "goldenTicket": null,
                "matrixIndex": null
        }
    }

}
```

RESPONSE SAMPLE FAILURE

```json
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

stake- currency, amount	*Required*	*Bet Amount and currency*
fruitBlastGameParams	*Required*	*Fruit Blast game specific params like stake, bartender, event type etc.*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

FRUIT BLAST SKILLZZ GAME "GAMECOMPLETED" OR FREESPIN CONTINUE

The Freespin/continue API is invoked for 'gameCompleted' event type and also invoked when free spins are won in the Free Spins feature. Continue request needs to be sent until all the freespins are played out. All the free spins are bound to the same game round.

ENDPOINT URL:

/api/games/skillzz/fb/continue

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameRoundId": "5c761bbf44aa670bc9cbf24c",
  "gameSkin": "fruit-blast",
    "fruitBlastGameParams": {
      "stake": {
        "currency": "USD",
        "amount": 0.1
      },
      "eventType": "play",
      "bartender": 0,
      "xp": 0,
      "hints": "",
      "newAchievements": "",
      "cheat": {
              "multiplier": 0,
              "jackpot": false,
              "bonus": false,
              "xp": 0
      }
   }
}
```

RESPONSE SAMPLE SLOTS FOR GAME COMPLETED

```
{
  "gameRoundId": "5c761c6a44aa670bc9cbf26f",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "576.20",
      "currency": "USD",
      "pretty": "USD 576.20"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "576.20",
      "currency": "USD",
```

```
        "pretty": "USD 576.20"
    },
    "playerWithhold": null
},
"messageDetails": null,
"demoPlay": false,
"stakeAmount": null,
"freeSpinsRemaining": 0,
"freeSpinsWon": 0,
"bonusAwarded": "NONE",
"spinPayout": 14.50,
"totalPayout": 14.50,
"winningCelebration": null,
"freeSpinState": null,
"unfinishedGame": null,
"userProfile": {
    "level": 1,
    "lastBartender": 0,
    "xp": 0,
    "hints": "0,1,0,1,0,0,0,0,0",
    "achievements": "2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,
2,2,2,2,2,2,2,2,2,2,2,2,2,2,2",
    "newAchievements": "",
    "numOfGames": 0,
    "numOfWins": 0,
    "numOfLosses": 0,
    "winsInARow": 0,
    "totalBar1": 0,
    "totalBar2": 0,
    "totalBar3": 0,
    "totalBar4": 0,
    "totalBar5": 0,
    "freeRound": false,
    "totalBarsInRound": [
                null,
                null,
                null,
                null,
                null
    ],
    "lastBet": 0,
    "userState": {
            "rangeIndex": null,
            "win": null,
            "itemsIndex": null,
            "gameValue": null,
            "nextEvent": "play",
            "freeGamePayoutInCents": null,
            "freeGamesLeft": 0,
            "freeGameParentPayoutInCents": null,
            "freeGameIsParent": false,
            "flipMatrix": null,
            "lastScoreType": null,
            "bounsArr": null,
            "bounsMultiplyArr": null,
```

```
            "goldenTicket": null,
            "matrixIndex": null
        }
    }
}
```

RESPONSE SAMPLE SLOTS FOR FREESPIN CONTINUE

```json
{
  "gameRoundId": "5c761bbf44aa670bc9cbf24c",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "496.40",
      "currency": "USD",
      "pretty": "USD 496.40"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "496.40",
      "currency": "USD",
      "pretty": "USD 496.40"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakeAmount": null,
  "freeSpinsRemaining": 3,
  "freeSpinsWon": 0,
  "bonusAwarded": "FREE_SPIN",
  "spinPayout": 0.00,
  "totalPayout": 94.50,
  "winningCelebration": null,
  "freeSpinState": null,
  "unfinishedGame": null,
  "userProfile": {
      "level": 1,
      "lastBartender": 0,
      "xp": 0,
      "hints": "0,1,0,1,0,0,0,0,0",
      "achievements": "2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,
2,2,2,2,2,2,2,2,2,2,2,2,2,2,2",
      "newAchievements": "",
      "numOfGames": 0,
      "numOfWins": 0,
      "numOfLosses": 0,
      "winsInARow": 0,
      "totalBar1": 0,
      "totalBar2": 0,
```

```
        "totalBar3": 0,
        "totalBar4": 0,
        "totalBar5": 0,
        "freeRound": false,
        "totalBarsInRound": [
                null,
                null,
                null,
                null,
                null
        ],
        "lastBet": 0,
        "userState": {
                "rangeIndex": null,
                "win": null,
                "itemsIndex": null,
                "gameValue": null,
                "nextEvent": "play",
                "freeGamePayoutInCents": null,
                "freeGamesLeft": 0,
                "freeGameParentPayoutInCents": null,
                "freeGameIsParent": false,
                "flipMatrix": null,
                "lastScoreType": null,
                "bounsArr": null,
                "bounsMultiplyArr": null,
                "goldenTicket": null,
                "matrixIndex": null
        }
    }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	Required	Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.
gameRoundId	Required	Game Round of the triggering spin
fruitBlastGameParams	Required	Fruit Blast game specific params like stake, bartender, event type etc.

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

FRUIT BLAST SKILLZZ GAME AWARDED FREESPINS

Awarded Freespins API for Fruit Blast which is invoked when free spins are awarded by the operator and the player freespin id is passed as part of the initialize response. Freespins request needs to be sent until all the all the freespins awarded are played out by the player. The last free spin response would return if there are any unfinished games pending for the player and the current game

ENDPOINT URL:

/api/games/skillzz/fb/freespin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "playerFreeSpinId": "5c7624c244aa670bcb274ac2",
  "gameSkin": "fruit-blast"
}
```

RESPONSE SAMPLE FOR INTERMEDIATE AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5c76258e44aa670bc9cbf272",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "502.00",
      "currency": "USD",
      "pretty": "USD 502.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "502.00",
      "currency": "USD",
      "pretty": "USD 502.00"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakeAmount": null,
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "spinPayout": 2.00,
  "totalPayout": 2.00,
  "winningCelebration": null,
  "freeSpinState": {
```

```
      "playerFreeSpinId": "5c7624c244aa670bcb274ac2",
      "freeSpinsRemaining": 4,
      "freeSpinsAwarded": 5,
      "totalWin": {
        "amount": "2.00",
        "currency": "USD",
        "pretty": "USD 2.00"
      },
      "stake": {
        "amount": "1.00",
        "currency": "USD",
        "pretty": "USD 1.00"
      },
      "noOfLines": 25,
      "pendingFreeSpinGameResponse": null
  },
  "unfinishedGame": null,
  "userProfile": {
      "level": 1,
      "lastBartender": 0,
      "xp": 0,
      "hints": "0,1,0,1,0,0,0,0,0",
      "achievements": "2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,
2,2,2,2,2,2,2,2,2,2,2,2,2,2,2",
      "newAchievements": "",
      "numOfGames": 0,
      "numOfWins": 0,
      "numOfLosses": 0,
      "winsInARow": 0,
      "totalBar1": 0,
      "totalBar2": 0,
      "totalBar3": 0,
      "totalBar4": 0,
      "totalBar5": 0,
      "freeRound": false,
      "totalBarsInRound": [
                  null,
                  null,
                  null,
                  null,
                  null
      ],
      "lastBet": 0,
      "userState": {
              "rangeIndex": null,
              "win": null,
              "itemsIndex": null,
              "gameValue": null,
              "nextEvent": "play",
              "freeGamePayoutInCents": null,
              "freeGamesLeft": 0,
              "freeGameParentPayoutInCents": null,
              "freeGameIsParent": false,
              "flipMatrix": null,
              "lastScoreType": null,
```

```
                "bounsArr": null,
                "bounsMultiplyArr": null,
                "goldenTicket": null,
                "matrixIndex": null
            }
        }
}
```

RESPONSE SAMPLE FOR LAST AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5c76260944aa670bc9cbf276",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "564.00",
      "currency": "USD",
      "pretty": "USD 564.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "564.00",
      "currency": "USD",
      "pretty": "USD 564.00"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakeAmount": null,
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "spinPayout": 2.00,
  "totalPayout": 2.00,
  "winningCelebration": null,
  "freeSpinState": {
    "playerFreeSpinId": "5c7624c244aa670bcb274ac2",
    "freeSpinsRemaining": 0,
    "freeSpinsAwarded": 5,
    "totalWin": {
      "amount": "64.00",
      "currency": "USD",
      "pretty": "USD 64.00"
    },
    "stake": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "USD 1.00"
    },
    "noOfLines": 25,
    "pendingFreeSpinGameResponse": null
```

```
    },
    "unfinishedGame": null,
    "userProfile": {
        "level": 1,
        "lastBartender": 0,
        "xp": 0,
        "hints": "0,1,0,1,0,0,0,0,0",
        "achievements": "2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,2:0:0,
2,2,2,2,2,2,2,2,2,2,2,2,2,2,2",
        "newAchievements": "",
        "numOfGames": 0,
        "numOfWins": 0,
        "numOfLosses": 0,
        "winsInARow": 0,
        "totalBar1": 0,
        "totalBar2": 0,
        "totalBar3": 0,
        "totalBar4": 0,
        "totalBar5": 0,
        "freeRound": false,
        "totalBarsInRound": [
                null,
                null,
                null,
                null,
                null
        ],
        "lastBet": 0,
        "userState": {
                "rangeIndex": null,
                "win": null,
                "itemsIndex": null,
                "gameValue": null,
                "nextEvent": "play",
                "freeGamePayoutInCents": null,
                "freeGamesLeft": 0,
                "freeGameParentPayoutInCents": null,
                "freeGameIsParent": false,
                "flipMatrix": null,
                "lastScoreType": null,
                "bounsArr": null,
                "bounsMultiplyArr": null,
                "goldenTicket": null,
                "matrixIndex": null
        }
    }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "7003",
  "description": "Invalid Player Free Spin ID"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
playerFreeSpinId	*Required*	*Player free spin id provided in initialize response*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round
7002	Invalid Player for the campaign
7003	Invalid Player Free Spin ID

GEMS ODYSSEY SKILLZZ GAME CONFIG

API to get the configuration of the game, like stake configuration, winning celebrations, cheat mode for Gems Odyssey skillzz game.

ENDPOINT URL:

/api/games/skillzz/go/config?gameSkin=gems-odyssey

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```
{
  "autoSpinEnabled": true,
  "realityCheckEnabled": true,
  "depositUrl": "http://test-brand.dev.markor.com/",
  "historyUrl": "http://test-brand.dev.markor.com/",
  "domainName": "http://test-brand.dev.markor.com/",
  "loginUrl": "http://test-brand.dev.markor.com/",
  "demoPlayDepositUrl": "https://gs7.qa.markor.com/demo/index.html",
  "loader": "https://content.markor.com/content/all/images/cool-games.jpg",
  "gameConfiguration": {
    "name": "gems-odyssey",
    "rtp": [ ],
    "cheatMode": true
  },
  "winningCelebrations": [
    {
      "name": "bigwin",
      "stakeToWinningsRatioConsequent": 30
    },
    {
      "name": "megawin",
      "stakeToWinningsRatioConsequent": 45
    },
    {
      "name": "superwin",
      "stakeToWinningsRatioConsequent": 60
    }
  ],
  "stakeConfig": {
    "USD": {
      "minStake": 0.1,
      "maxStake": 1,
      "stakeLadder": [
        0.1,
        0.25,
        0.5,
        0.75,
        1
      ]
    },
    "GBP": {
```

```
      "minStake": 0.1,
      "maxStake": 1,
      "stakeLadder": [
        0.1,
        0.25,
        0.5,
        0.75,
        1
      ]
    },
    "CRD": {
      "minStake": 0.1,
      "maxStake": 1,
      "stakeLadder": [
        10,
        25,
        50,
        75,
        100
      ]
    },
    "SEK": {
      "minStake": 0.1,
      "maxStake": 1,
      "stakeLadder": [
        0.1,
        0.25,
        0.5,
        0.75,
        1
      ]
    }
  },
  "gambleConfig": null,
  "showLobbyBtn": false,
  "showFullscreenBtn": false,
  "showDepositBtn": false,
  "implementation": ""
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

GEMS ODYSSEY SKILLZZ GAME INITIALIZE

API to get all the basic player details like player account balances, reality check info, custom stake settings if any configured for the player. Also return User Profile information previously stored for the player if any. User profile will be null, If no previous state of the player available at the RGS. Also Game Play State object is null for regular plays. But if there are unfinished games, gamePlayState is returned with the unfinished game.

ENDPOINT URL:

/api/player/skillzz/go/initialise?gameSkin=gems-odyssey

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS WITH PENDING FREESPINS FOR GAME

```json
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 600,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "message": null,
    "sessionElapsedTime": 0
  },
```

```
  "gamePlayState": null,
  "freeSpinState": {
    "playerFreeSpinId": "5c7624c244aa670bcb274ac2",
    "freeSpinsRemaining": 5,
    "freeSpinsAwarded": 5,
    "totalWin": null,
    "stake": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "USD 1.00"
    },
    "noOfLines": 25,
    "pendingFreeSpinGameResponse": null
  },
  "userProfile": {
      "hints": [
            0,
            0,
            0,
            0
      ],
      "numOfGames": 0,
      "totalBars": [
            0,
            0,
            0,
            0,
            0,
            0
      ],
      "lastBet": 0.0,
      "xp": 0,
      "level": 1,
      "customParams": {},
      "firstNebulaGameNumber": 0,
      "playAI": false,
      "sessionNum": 0,
      "lastVisibleBoard": "",
      "brokenNebulaClaim": false,
      "levelUpOnsecondChance": false,
      "userState": {
            "lastEvent": "",
            "matrixIndex": 0,
            "matrixMultiplier": 0,
            "gameMultiplier": 0,
            "flipMatrix": false,
            "startToEnd": false,
            "secondChance": false,
            "indexForShuffle": 0,
            "aiCornerShort": 0,
            "matrixType": "Regular",
            "nebulaList": [
                {
                    "stake": 0,
                    "type": "",
```

```
                "multiplier": 0
            },
            {
                "stake": 0,
                "type": "",
                "multiplier": 0
            }
        ]
        "nebulasValue": 0,
        "secondChanceMatrixMultiplier": 0,
        "secondChanceMatrixType": "",
        "secondChanceChild": false,
        "instantWinArray": []
    }
  }
}
```

RESPONSE SAMPLE SUCCESS WITH UNFINISHED GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 600,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "message": null,
```

```
      "sessionElapsedTime": 0
  },
  "gamePlayState": {
    "gameRoundId": "5c761c4f44aa670bc9cbf25b",
    "gameRoundState": null,
    "status": "IN_PROGRESS",
    "gameResponse": {
      "gameRoundId": "5c761c4f44aa670bc9cbf25b",
      "status": "IN_PROGRESS",
      "balance": {
        "cashBalance": {
          "amount": "595.30",
          "currency": "USD",
          "pretty": "USD 595.30"
        },
        "bonusBalance": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "USD 0.00"
        },
        "totalBalance": {
          "amount": "595.30",
          "currency": "USD",
          "pretty": "USD 595.30"
        },
        "playerWithhold": null
      },
      "messageDetails": null,
      "demoPlay": false,
      "stakeAmount": null,
      "freeSpinsRemaining": 20,
      "freeSpinsWon": 20,
      "bonusAwarded": "FREE_SPIN",
      "spinPayout": 14.00,
      "totalPayout": 14.00,
      "winningCelebration": null,
      "freeSpinState": null,
      "unfinishedGame": null,
      "userProfile": {
            "hints": [
                  0,
                  0,
                  0,
                  0
            ],
            "numOfGames": 0,
            "totalBars": [
                  0,
                  0,
                  0,
                  0,
                  0,
                  0
            ],
            "lastBet": 0.0,
```

```json
            "xp": 0,
            "level": 1,
            "customParams": {},
            "firstNebulaGameNumber": 0,
            "playAI": false,
            "sessionNum": 0,
            "lastVisibleBoard": "",
            "brokenNebulaClaim": false,
            "levelUpOnsecondChance": false,
            "userState": {
                    "lastEvent": "",
                    "matrixIndex": 0,
                    "matrixMultiplier": 0,
                    "gameMultiplier": 0,
                    "flipMatrix": false,
                    "startToEnd": false,
                    "secondChance": false,
                    "indexForShuffle": 0,
                    "aiCornerShort": 0,
                    "matrixType": "Regular",
                    "nebulaList": [
                      {
                          "stake": 0,
                          "type": "",
                          "multiplier": 0
                      },
                      {
                          "stake": 0,
                          "type": "",
                          "multiplier": 0
                      }
                    ]
                    "nebulasValue": 0,
                    "secondChanceMatrixMultiplier": 0,
                    "secondChanceMatrixType": "",
                    "secondChanceChild": false,
                    "instantWinArray": []
                }
            }
        }
    },
  "freeSpinState": null,
  "userProfile": null
}
```

RESPONSE SAMPLE FAILURE

```json
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

GEMS ODYSSEY SKILLZZ GAME BET/PLAY REQUEST

API to trigger the bet for the Gems Odyssey skillzz game. For Regular play, status is returned as COMPLETE with winning pay and user profile. When free games are won, status is returned as IN_PROGRESS with no of free games won and free games remaining. Subsequent request for 'gameCompleted' or free games should be a "FREESPIN CONTINUE" until the number of free games remaining is zero.

ENDPOINT URL:

/api/games/skillzz/go/spin

REQUEST METHOD: POST

REQUEST PAYLOAD

```json
{
  "gameSkin": "gems-odyssey",
  "stake": {
    "currency": "USD",
    "amount": 0.1
  },
  "gemsOdysseyGameParams": {
      "stake": {
        "currency": "USD",
        "amount": 0.1
      },
      "eventType": "play",
      "hints": [],
      "totalBars": [],
      "xp": 0,
      "customParams": {},
      "cheat": {
            "multiplier": 0,
            "matrixType": "",
            "secondChance": false,
            "nebulaType": ""
      }
  }
}
```

RESPONSE SAMPLE SUCCESS

```json
{
  "gameRoundId": "5c761c6544aa670bc9cbf269",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "572.70",
      "currency": "USD",
      "pretty": "USD 572.70"
    },
    "bonusBalance": {
      "amount": "0.00",
```

```
          "currency": "USD",
          "pretty": "USD 0.00"
        },
        "totalBalance": {
          "amount": "572.70",
          "currency": "USD",
          "pretty": "USD 572.70"
        },
      },
      "messageDetails": null,
      "demoPlay": false,
      "stakeAmount": null,
      "freeSpinsRemaining": 0,
      "freeSpinsWon": 0,
      "bonusAwarded": "NONE",
      "spinPayout": 0.20,
      "totalPayout": 0.20,
      "winningCelebration": null,
      "freeSpinState": null,
      "unfinishedGame": null,
      "userProfile": {
          "hints": [
              0,
              0,
              0,
              0
          ],
          "numOfGames": 0,
          "totalBars": [
              0,
              0,
              0,
              0,
              0,
              0
          ],
          "lastBet": 0.0,
          "xp": 0,
          "level": 1,
          "customParams": {},
          "firstNebulaGameNumber": 0,
          "playAI": false,
          "sessionNum": 0,
          "lastVisibleBoard": "",
          "brokenNebulaClaim": false,
          "levelUpOnsecondChance": false,
          "userState": {
              "lastEvent": "",
              "matrixIndex": 0,
              "matrixMultiplier": 0,
              "gameMultiplier": 0,
              "flipMatrix": false,
              "startToEnd": false,
              "secondChance": false,
              "indexForShuffle": 0,
```

```json
            "aiCornerShort": 0,
            "matrixType": "Regular",
            "nebulaList": [
                {
                    "stake": 0,
                    "type": "",
                    "multiplier": 0
                },
                {
                    "stake": 0,
                    "type": "",
                    "multiplier": 0
                }
            ]
            "nebulasValue": 0,
            "secondChanceMatrixMultiplier": 0,
            "secondChanceMatrixType": "",
            "secondChanceChild": false,
            "instantWinArray": []
        }
    }
}
```

RESPONSE SAMPLE SUCCESS WITH FREE GAMES

```json
{
  "gameRoundId": "5c761bbf44aa670bc9cbf24c",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "496.40",
      "currency": "USD",
      "pretty": "USD 496.40"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "496.40",
      "currency": "USD",
      "pretty": "USD 496.40"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "0.10",
    "currency": "USD",
    "pretty": "USD 0.10"
  },
  "stakeAmount": null,
  "freeSpinsRemaining": 15,
  "freeSpinsWon": 15,
```

```
"bonusAwarded": "FREE_SPIN",
"spinPayout": 12.50,
"totalPayout": 12.50,
"winningCelebration": null,
"freeSpinState": null,
"unfinishedGame": null,
"userProfile": {
    "hints": [
        0,
        0,
        0,
        0
    ],
    "numOfGames": 0,
    "totalBars": [
        0,
        0,
        0,
        0,
        0,
        0
    ],
    "lastBet": 0.0,
    "xp": 0,
    "level": 1,
    "customParams": {},
    "firstNebulaGameNumber": 0,
    "playAI": false,
    "sessionNum": 0,
    "lastVisibleBoard": "",
    "brokenNebulaClaim": false,
    "levelUpOnsecondChance": false,
    "userState": {
        "lastEvent": "",
        "matrixIndex": 0,
        "matrixMultiplier": 0,
        "gameMultiplier": 0,
        "flipMatrix": false,
        "startToEnd": false,
        "secondChance": false,
        "indexForShuffle": 0,
        "aiCornerShort": 0,
        "matrixType": "Regular",
        "nebulaList": [
            {
                "stake": 0,
                "type": "",
                "multiplier": 0
            },
            {
                "stake": 0,
                "type": "",
                "multiplier": 0
            }
        ]
```

```
            "nebulasValue": 0,
            "secondChanceMatrixMultiplier": 0,
            "secondChanceMatrixType": "",
            "secondChanceChild": false,
            "instantWinArray": []
        }
    }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
stake- currency, amount	*Required*	*Bet Amount and currency*
gemsOdysseyGameParams	*Required*	*Gems Odyssey game specific params like stake, hints, totalBars, event type etc.*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

GEMS ODYSSEY SKILLZZ GAME "GAMECOMPLETED" OR FREESPIN CONTINUE

The Freespin/continue API is invoked for 'gameCompleted' event type and also invoked when free spins are won in the Free Spins feature. Continue request needs to be sent until all the freespins are played out. All the free spins are bound to the same game round.

ENDPOINT URL:

/api/games/skillzz/go/continue

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameRoundId": "5c761bbf44aa670bc9cbf24c",
  "gameSkin": "gems-odyssey",
  "gemsOdysseyGameParams": {
      "stake": {
        "currency": "USD",
        "amount": 0.1
      },
      "eventType": "play",
      "hints": [],
      "totalBars": [],
      "xp": 0,
      "customParams": {},
      "cheat": {
            "multiplier": 0,
            "matrixType": "",
            "secondChance": false,
            "nebulaType": ""
      }
  }
}
```

RESPONSE SAMPLE SLOTS FOR GAME COMPLETED

```
{
  "gameRoundId": "5c761c6a44aa670bc9cbf26f",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "576.20",
      "currency": "USD",
      "pretty": "USD 576.20"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "576.20",
      "currency": "USD",
```

```
      "pretty": "USD 576.20"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakeAmount": null,
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "spinPayout": 14.50,
  "totalPayout": 14.50,
  "winningCelebration": null,
  "freeSpinState": null,
  "unfinishedGame": null,
  "userProfile": {
      "hints": [
            0,
            0,
            0,
            0
      ],
      "numOfGames": 0,
      "totalBars": [
            0,
            0,
            0,
            0,
            0,
            0
      ],
      "lastBet": 0.0,
      "xp": 0,
      "level": 1,
      "customParams": {},
      "firstNebulaGameNumber": 0,
      "playAI": false,
      "sessionNum": 0,
      "lastVisibleBoard": "",
      "brokenNebulaClaim": false,
      "levelUpOnsecondChance": false,
      "userState": {
            "lastEvent": "",
            "matrixIndex": 0,
            "matrixMultiplier": 0,
            "gameMultiplier": 0,
            "flipMatrix": false,
            "startToEnd": false,
            "secondChance": false,
            "indexForShuffle": 0,
            "aiCornerShort": 0,
            "matrixType": "Regular",
            "nebulaList": [
                {
                    "stake": 0,
```

```
                    "type": "",
                    "multiplier": 0
                },
                {

                    "stake": 0,
                    "type": "",
                    "multiplier": 0
                }
            ]
            "nebulasValue": 0,
            "secondChanceMatrixMultiplier": 0,
            "secondChanceMatrixType": "",
            "secondChanceChild": false,
            "instantWinArray": []
        }
    }
}
```

RESPONSE SAMPLE SLOTS FOR FREESPIN CONTINUE

```
{
  "gameRoundId": "5c761bbf44aa670bc9cbf24c",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "496.40",
      "currency": "USD",
      "pretty": "USD 496.40"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "496.40",
      "currency": "USD",
      "pretty": "USD 496.40"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakeAmount": null,
  "freeSpinsRemaining": 3,
  "freeSpinsWon": 0,
  "bonusAwarded": "FREE_SPIN",
  "spinPayout": 0.00,
  "totalPayout": 94.50,
  "winningCelebration": null,
  "freeSpinState": null,
  "unfinishedGame": null,
  "userProfile": {
      "hints": [
```

```
                    0,
                    0,
                    0,
                    0
            ],
            "numOfGames": 0,
            "totalBars": [
                    0,
                    0,
                    0,
                    0,
                    0,
                    0
            ],
            "lastBet": 0.0,
            "xp": 0,
            "level": 1,
            "customParams": {},
            "firstNebulaGameNumber": 0,
            "playAI": false,
            "sessionNum": 0,
            "lastVisibleBoard": "",
            "brokenNebulaClaim": false,
            "levelUpOnsecondChance": false,
            "userState": {
                    "lastEvent": "",
                    "matrixIndex": 0,
                    "matrixMultiplier": 0,
                    "gameMultiplier": 0,
                    "flipMatrix": false,
                    "startToEnd": false,
                    "secondChance": false,
                    "indexForShuffle": 0,
                    "aiCornerShort": 0,
                    "matrixType": "Regular",
                    "nebulaList": [
                        {
                            "stake": 0,
                            "type": "",
                            "multiplier": 0
                        },
                        {
                            "stake": 0,
                            "type": "",
                            "multiplier": 0
                        }
                    ]
                    "nebulasValue": 0,
                    "secondChanceMatrixMultiplier": 0,
                    "secondChanceMatrixType": "",
                    "secondChanceChild": false,
                    "instantWinArray": []
            }
        }
    }
}
```

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
gameRoundId	*Required*	*Game Round of the triggering spin*
gemsOdysseyGameParams	*Required*	*Gems Odyssey game specific params like stake, hints, totalBars, event type etc.*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

GEMS ODYSSEY SKILLZZ GAME AWARDED FREESPINS

Awarded Freespins API for Gems Odyssey which is invoked when free spins are awarded by the operator and the player freespin id is passed as part of the initialize response. Freespins request needs to be sent until all the all the freespins awarded are played out by the player. The last free spin response would return if there are any unfinished games pending for the player and the current game

ENDPOINT URL:

/api/games/skillzz/go/freespin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "playerFreeSpinId": "5c7624c244aa670bcb274ac2",
  "gameSkin": "gems-odyssey"
}
```

RESPONSE SAMPLE FOR INTERMEDIATE AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5c76258e44aa670bc9cbf272",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "502.00",
      "currency": "USD",
      "pretty": "USD 502.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "502.00",
      "currency": "USD",
      "pretty": "USD 502.00"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakeAmount": null,
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "spinPayout": 2.00,
  "totalPayout": 2.00,
  "winningCelebration": null,
  "freeSpinState": {
```

```
        "playerFreeSpinId": "5c7624c244aa670bcb274ac2",
        "freeSpinsRemaining": 4,
        "freeSpinsAwarded": 5,
        "totalWin": {
          "amount": "2.00",
          "currency": "USD",
          "pretty": "USD 2.00"
        },
        "stake": {
          "amount": "1.00",
          "currency": "USD",
          "pretty": "USD 1.00"
        },
        "noOfLines": 25,
        "pendingFreeSpinGameResponse": null
    },
    "unfinishedGame": null,
    "userProfile": {
        "hints": [
                0,
                0,
                0,
                0
        ],
        "numOfGames": 0,
        "totalBars": [
                0,
                0,
                0,
                0,
                0,
                0
        ],
        "lastBet": 0.0,
        "xp": 0,
        "level": 1,
        "customParams": {},
        "firstNebulaGameNumber": 0,
        "playAI": false,
        "sessionNum": 0,
        "lastVisibleBoard": "",
        "brokenNebulaClaim": false,
        "levelUpOnsecondChance": false,
        "userState": {
                "lastEvent": "",
                "matrixIndex": 0,
                "matrixMultiplier": 0,
                "gameMultiplier": 0,
                "flipMatrix": false,
                "startToEnd": false,
                "secondChance": false,
                "indexForShuffle": 0,
                "aiCornerShort": 0,
                "matrixType": "Regular",
                "nebulaList": [
```

```
            {
                "stake": 0,
                "type": "",
                "multiplier": 0
            },
            {
                "stake": 0,
                "type": "",
                "multiplier": 0
            }
        ]
        "nebulasValue": 0,
        "secondChanceMatrixMultiplier": 0,
        "secondChanceMatrixType": "",
        "secondChanceChild": false,
        "instantWinArray": []
        }
    }
}
```

RESPONSE SAMPLE FOR LAST AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5c76260944aa670bc9cbf276",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "564.00",
      "currency": "USD",
      "pretty": "USD 564.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "564.00",
      "currency": "USD",
      "pretty": "USD 564.00"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakeAmount": null,
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "spinPayout": 2.00,
  "totalPayout": 2.00,
  "winningCelebration": null,
  "freeSpinState": {
    "playerFreeSpinId": "5c7624c244aa670bcb274ac2",
    "freeSpinsRemaining": 0,
    "freeSpinsAwarded": 5,
```

```
    "totalWin": {
      "amount": "64.00",
      "currency": "USD",
      "pretty": "USD 64.00"
    },
    "stake": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "USD 1.00"
    },
    "noOfLines": 25,
    "pendingFreeSpinGameResponse": null
  },
  "unfinishedGame": null,
  "userProfile": {
      "hints": [
            0,
            0,
            0,
            0
      ],
      "numOfGames": 0,
      "totalBars": [
            0,
            0,
            0,
            0,
            0,
            0
      ],
      "lastBet": 0.0,
      "xp": 0,
      "level": 1,
      "customParams": {},
      "firstNebulaGameNumber": 0,
      "playAI": false,
      "sessionNum": 0,
      "lastVisibleBoard": "",
      "brokenNebulaClaim": false,
      "levelUpOnsecondChance": false,
      "userState": {
            "lastEvent": "",
            "matrixIndex": 0,
            "matrixMultiplier": 0,
            "gameMultiplier": 0,
            "flipMatrix": false,
            "startToEnd": false,
            "secondChance": false,
            "indexForShuffle": 0,
            "aiCornerShort": 0,
            "matrixType": "Regular",
            "nebulaList": [
                {
                    "stake": 0,
                    "type": "",
```

```
            "multiplier": 0
        },
        {
            "stake": 0,
            "type": "",
            "multiplier": 0
        }
      ]
      "nebulasValue": 0,
      "secondChanceMatrixMultiplier": 0,
      "secondChanceMatrixType": "",
      "secondChanceChild": false,
      "instantWinArray": []
    }
  }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "7003",
  "description": "Invalid Player Free Spin ID"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
playerFreeSpinId	*Required*	*Player free spin id provided in initialize response*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round
7002	Invalid Player for the campaign
7003	Invalid Player Free Spin ID

N3GQ GAME CONFIG

API to get the configuration of N3GQ game.

ENDPOINT URL:

/api/games/gqc/config?gameSkin=n3gq

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```
{
  "autoSpinEnabled": true,
  "realityCheckEnabled": true,
  "depositUrl": "http://test-brand.dev.markor.com/",
  "historyUrl": "http://test-brand.dev.markor.com/",
  "domainName": "http://test-brand.dev.markor.com/",
  "loginUrl": "http://test-brand.dev.markor.com/",
  "demoPlayDepositUrl": "https://gs7.qa.markor.com/demo/index.html",
  "loader": "https://content.markor.com/content/all/images/cool-games.jpg",
  "gameConfiguration": null,
  "winningCelebrations": [
    {
      "name": "bigwin",
      "stakeToWinningsRatioConsequent": 30
    },
    {
      "name": "megawin",
      "stakeToWinningsRatioConsequent": 45
    },
    {
      "name": "superwin",
      "stakeToWinningsRatioConsequent": 60
    }
  ],
  "stakeConfig": {
    "USD": {
      "minStake": 0.1,
      "maxStake": 1,
      "stakeLadder": [
        0.1,
        0.25,
        0.5,
        0.75,
        1
      ]
    },
    "GBP": {
      "minStake": 0.1,
      "maxStake": 1,
      "stakeLadder": [
        0.1,
        0.25,
```

```json
        0.5,
        0.75,
        1
      ]
    },
    "CRD": {
      "minStake": 0.1,
      "maxStake": 1,
      "stakeLadder": [
        10,
        25,
        50,
        75,
        100
      ]
    },
    "SEK": {
      "minStake": 0.1,
      "maxStake": 1,
      "stakeLadder": [
        0.1,
        0.25,
        0.5,
        0.75,
        1
      ]
    }
  },
  "paylineOffsets": [
    [
      1,
      1,
      1,
      1,
      1
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      2,
      2,
      2,
      2,
      2
    ],
    [
      0,
      1,
      2,
      1,
```

```
      0
    ],
    [
      2,
      1,
      0,
      1,
      2
    ],
    [
      0,
      0,
      1,
      0,
      0
    ],
    [
      2,
      2,
      1,
      2,
      2
    ],
    [
      1,
      2,
      2,
      2,
      1
    ],
    [
      1,
      0,
      0,
      0,
      1
    ],
    [
      1,
      0,
      1,
      0,
      1
    ],
    [
      1,
      2,
      1,
      2,
      1
    ],
    [
      0,
      1,
      0,
```

```
      1,
      0
    ],
    [
      2,
      1,
      2,
      1,
      2
    ],
    [
      1,
      1,
      0,
      1,
      1
    ],
    [
      1,
      1,
      2,
      1,
      1
    ],
    [
      0,
      1,
      1,
      1,
      0
    ],
    [
      2,
      1,
      1,
      1,
      2
    ],
    [
      0,
      1,
      2,
      2,
      2
    ],
    [
      2,
      1,
      0,
      0,
      0
    ],
    [
      0,
      2,
```

MARKOR RGS API

```
      0,
      2,
      0
    ]
  ],
  "gambleConfig": null,
  "showLobbyBtn": false,
  "showFullscreenBtn": false,
  "showDepositBtn": false,
  "implementation": ""
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

N3GQ SLOTS INITIALIZE

API to get all the basic player details like player account balances, reality check info, custom stake settings if any configured for the player. Game Play State object is null for regular plays. But if there are unfinished games, gamePlayState is returned with the unfinished game.

ENDPOINT URL:

/api/player/slots/initialise?gameSkin=n3gq

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS WITH PENDING FREESPINS FOR GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "500.00",
        "currency": "USD",
        "pretty": "USD 500.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 600,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "message": null,
    "sessionElapsedTime": 0
  },
  "gamePlayState": null,
```

```json
  "freeSpinState": {
    "playerFreeSpinId": "5cab88a8e574ea2dcd89eec2",
    "freeSpinsRemaining": 5,
    "freeSpinsAwarded": 5,
    "totalWin": null,
    "stake": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "USD 1.00"
    },
    "noOfLines": 20,
    "pendingFreeSpinGameResponse": null
  }
}
```

RESPONSE SAMPLE SUCCESS WITH UNFINISHED GAME

```json
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "480.00",
        "currency": "USD",
        "pretty": "USD 480.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "USD 0.00"
      },
      "totalBalance": {
        "amount": "480.00",
        "currency": "USD",
        "pretty": "USD 480.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 600,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "message": null,
    "sessionElapsedTime": 1
  },
  "gamePlayState": {
    "gameRoundId": "5cab926ee574ea2d9f4aeed2",
```

```
    "gameRoundState": null,
    "status": "IN_PROGRESS",
    "gameResponse": {
      "gameRoundId": "5cab926ee574ea2d9f4aeed2",
      "status": "IN_PROGRESS",
      "balance": {
        "cashBalance": {
          "amount": "480.00",
          "currency": "USD",
          "pretty": "USD 480.00"
        },
        "bonusBalance": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "USD 0.00"
        },
        "totalBalance": {
          "amount": "480.00",
          "currency": "USD",
          "pretty": "USD 480.00"
        },
        "playerWithhold": null
      },
      "demoPlay": false,
      "stakePerLine": {
        "amount": "1.00",
        "currency": "USD",
        "pretty": "USD 1.00"
      },
      "numberOfLines": 20,
      "freeSpinsRemaining": 10,
      "freeSpinsWon": 10,
      "bonusAwarded": "FREE_SPIN",
      "spinPayout": 0.00,
      "totalPayout": 0.00,
      "winningCelebration": null,
      "isGambleEligible": false,
      "gambleAttemptsLeft": 0,
      "freeSpinState": null,
      "unfinishedGame": null,
      "messageDetails": null,
      "stepResponses": [
        {
          "gridBeforeCascade": [
            [
              "FS",
              "H4",
              "L3"
            ],
            [
              "FS",
              "H3",
              "L1"
            ],
            [
```

```
                "FS",
                "H4",
                "L2"
            ],
            [
                "H3",
                "L3",
                "L1"
            ],
            [
                "H1",
                "L3",
                "H3"
            ]
        ],
        "winningLines": [

        ],
        "winningsPerLine": [

        ],
        "disappearingSymbolsInWinningLines": null,
        "gridAfterCascade": null,
        "winnings": 0.00,
        "multiplier": null
      }
    ]
  }
},
"freeSpinState": null
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

N3GQ SLOTS SPIN

API to trigger the spin for the N3GQ slots game. For Regular Spin, status is returned as COMPLETE with winning pay lines and amount. When free spins are won, status is returned as IN_PROGRESS with no of free spins won and free spins remaining. Subsequent request for free spin should be a "FREESPIN CONTINUE" until the number of free spins remaining is zero.

ENDPOINT URL:

/api/games/gqc/spin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameSkin": "n3gq",
  "stake": {
    "currency": "USD",
    "amount": 0.1
  },
  "numberOfLines": 20
}
```

RESPONSE SAMPLE SUCCESS

```
{
  "gameRoundId": "5cab1e0fe574ea1d90a1a9ec",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "483.00",
      "currency": "USD",
      "pretty": "USD 483.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "483.00",
      "currency": "USD",
      "pretty": "USD 483.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "USD 1.00"
  },
```

```json
    "numberOfLines": 20,
    "freeSpinsRemaining": 0,
    "freeSpinsWon": 0,
    "bonusAwarded": "NONE",
    "spinPayout": 3.00,
    "totalPayout": 3.00,
    "winningCelebration": null,
    "isGambleEligible": false,
    "gambleAttemptsLeft": 0,
    "freeSpinState": null,
    "unfinishedGame": null,
    "messageDetails": null,
    "stepResponses": [
      {
        "gridBeforeCascade": [
          [
            "FS",
            "H3",
            "L3"
          ],
          [
            "WI",
            "L2",
            "L3"
          ],
          [
            "L1",
            "L3",
            "L2"
          ],
          [
            "H1",
            "L1",
            "H3"
          ],
          [
            "H1",
            "H3",
            "L2"
          ]
        ],
        "winningLines": [
          6
        ],
        "winningsPerLine": [
          3.00
        ],
        "disappearingSymbolsInWinningLines": [
          {
            "row": 2,
            "column": 1
          },
          {
            "row": 1,
            "column": 2
```

```
        },
        {
          "row": 2,
          "column": 0
        }
      ],
      "gridAfterCascade": [
        [
          "EMPTY_SYMBOL",
          "FS",
          "H3"
        ],
        [
          "EMPTY_SYMBOL",
          "WI",
          "L2"
        ],
        [
          "EMPTY_SYMBOL",
          "L1",
          "L2"
        ],
        [
          "H1",
          "L1",
          "H3"
        ],
        [
          "H1",
          "H3",
          "L2"
        ]
      ],
      "winnings": 3.00,
      "multiplier": 1
    },
    {
      "gridBeforeCascade": [
        [
          "L3",
          "FS",
          "H3"
        ],
        [
          "L3",
          "WI",
          "L2"
        ],
        [
          "L2",
          "L1",
          "L2"
        ],
        [
          "H1",
```

```
            "L1",
            "H3"
        ],
        [
            "H1",
            "H3",
            "L2"
        ]
    ],
    "winningLines": [

    ],
    "winningsPerLine": [

    ],
    "disappearingSymbolsInWinningLines": null,
    "gridAfterCascade": null,
    "winnings": 0.00,
    "multiplier": null
  }
 ]
}
```

RESPONSE SAMPLE SUCCESS WITH FREESPIN

```
{
  "gameRoundId": "5cab1e20e574ea1d90a1a9ed",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "463.00",
      "currency": "USD",
      "pretty": "USD 463.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "463.00",
      "currency": "USD",
      "pretty": "USD 463.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "numberOfLines": 20,
  "freeSpinsRemaining": 10,
  "freeSpinsWon": 10,
  "bonusAwarded": "FREE_SPIN",
```

```
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "isGambleEligible": false,
  "gambleAttemptsLeft": 0,
  "freeSpinState": null,
  "unfinishedGame": null,
  "messageDetails": null,
  "stepResponses": [
    {
      "gridBeforeCascade": [
        [
          "FS",
          "H4",
          "L3"
        ],
        [
          "FS",
          "L1",
          "H3"
        ],
        [
          "FS",
          "L2",
          "H4"
        ],
        [
          "H3",
          "L2",
          "H2"
        ],
        [
          "L3",
          "H3",
          "L1"
        ]
      ],
      "winningLines": [

      ],
      "winningsPerLine": [

      ],
      "disappearingSymbolsInWinningLines": null,
      "gridAfterCascade": null,
      "winnings": 0.00,
      "multiplier": null
    }
  ]
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
```

```
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
stake- currency, amount	*Required*	*Bet Amount and currency*
numberOfLines	*Required*	*Number of lines bet on (20 for N3GQ)*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

N3GQ FREESPIN CONTINUE

Freespin API which is invoked when free spins are won in the Respin feature or Free Spins feature. Continue request needs to be sent until all the freespins are played out. All the free spins are bound to the same game round.

ENDPOINT URL:

/api/games/gqc/continue

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameRoundId": "5c761bbf44aa670bc9cbf24c",
  "gameSkin": "n3gq"
}
```

RESPONSE SAMPLE SLOTS FOR FREESPIN

```
{
  "gameRoundId": "5cab1e20e574ea1d90a1a9ed",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "463.00",
      "currency": "USD",
      "pretty": "USD 463.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "463.00",
      "currency": "USD",
      "pretty": "USD 463.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "numberOfLines": 20,
  "freeSpinsRemaining": 19,
  "freeSpinsWon": 10,
  "bonusAwarded": "FREE_SPIN",
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
```

```json
      "isGambleEligible": false,
      "gambleAttemptsLeft": 0,
      "freeSpinState": null,
      "unfinishedGame": null,
      "messageDetails": null,
      "stepResponses": [
        {
          "gridBeforeCascade": [
            [
              "FS",
              "H4",
              "L3"
            ],
            [
              "FS",
              "L1",
              "H3"
            ],
            [
              "FS",
              "L2",
              "H4"
            ],
            [
              "H3",
              "L2",
              "H2"
            ],
            [
              "L3",
              "H3",
              "L1"
            ]
          ],
          "winningLines": [

          ],
          "winningsPerLine": [

          ],
          "disappearingSymbolsInWinningLines": null,
          "gridAfterCascade": null,
          "winnings": 0.00,
          "multiplier": null
        }
      ]
}
```

RESPONSE SAMPLE FAILURE

```json
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	Required	Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.
gameRoundId	Required	Game Round of the triggering spin

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

N3GQ SLOTS AWARDED FREESPINS

Awarded Freespins API for N3GQ which is invoked when free spins are awarded by the operator and the player freespin id is passed as part of the initialize reponse. Freespins request needs to be sent until all the all the freespins awarded are played out by the player. The last free spin response would return if there are any unfinished games pending for the player and the current game

ENDPOINT URL:

/api/games/gqc/freespin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "playerFreeSpinId": "5c7624c244aa670bcb274ac2",
  "gameSkin": "n3gq"
}
```

RESPONSE SAMPLE SLOTS INTERMEDIATE AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5cab88f0e574ea2d9f4aeecc",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "539.00",
      "currency": "USD",
      "pretty": "USD 539.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "539.00",
      "currency": "USD",
      "pretty": "USD 539.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "numberOfLines": 20,
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
```

```
"spinPayout": 39.00,
"totalPayout": 39.00,
"winningCelebration": null,
"isGambleEligible": false,
"gambleAttemptsLeft": 0,
"freeSpinState": {
  "playerFreeSpinId": "5cab88a8e574ea2dcd89eec2",
  "freeSpinsRemaining": 4,
  "freeSpinsAwarded": 5,
  "totalWin": {
    "amount": "39.00",
    "currency": "USD",
    "pretty": "USD 39.00"
  },
  "stake": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "noOfLines": 20,
  "pendingFreeSpinGameResponse": null
},
"unfinishedGame": null,
"messageDetails": null,
"stepResponses": [
  {
    "gridBeforeCascade": [
      [
        "L3",
        "L2",
        "H3"
      ],
      [
        "L1",
        "L3",
        "L2"
      ],
      [
        "L2",
        "L3",
        "L1"
      ],
      [
        "H4",
        "H1",
        "H3"
      ],
      [
        "L1",
        "H4",
        "H1"
      ]
    ],
    "winningLines": [
      15
```

```
    ],
    "winningsPerLine": [
      3.00
    ],
    "disappearingSymbolsInWinningLines": [
      {
        "row": 1,
        "column": 1
      },
      {
        "row": 1,
        "column": 2
      },
      {
        "row": 0,
        "column": 0
      }
    ],
    "gridAfterCascade": [
      [
        "EMPTY_SYMBOL",
        "L2",
        "H3"
      ],
      [
        "EMPTY_SYMBOL",
        "L1",
        "L2"
      ],
      [
        "EMPTY_SYMBOL",
        "L2",
        "L1"
      ],
      [
        "H4",
        "H1",
        "H3"
      ],
      [
        "L1",
        "H4",
        "H1"
      ]
    ],
    "winnings": 3.00,
    "multiplier": 1
  },
  {
    "gridBeforeCascade": [
      [
        "L1",
        "L2",
        "H3"
      ],
```

```
      [
        "L2",
        "L1",
        "L2"
      ],
      [
        "H4",
        "L2",
        "L1"
      ],
      [
        "H4",
        "H1",
        "H3"
      ],
      [
        "L1",
        "H4",
        "H1"
      ]
    ],
    "winningLines": [
      3,
      9,
      10,
      17
    ],
    "winningsPerLine": [
      5.00,
      4.00,
      4.00,
      5.00
    ],
    "disappearingSymbolsInWinningLines": [
      {
        "row": 2,
        "column": 1
      },
      {
        "row": 2,
        "column": 2
      },
      {
        "row": 1,
        "column": 0
      },
      {
        "row": 1,
        "column": 1
      },
      {
        "row": 1,
        "column": 2
      },
      {
```

```json
        "row": 0,
        "column": 0
      },
      {
        "row": 0,
        "column": 1
      }
    ],
    "gridAfterCascade": [
      [
        "EMPTY_SYMBOL",
        "EMPTY_SYMBOL",
        "H3"
      ],
      [
        "EMPTY_SYMBOL",
        "EMPTY_SYMBOL",
        "EMPTY_SYMBOL"
      ],
      [
        "EMPTY_SYMBOL",
        "EMPTY_SYMBOL",
        "H4"
      ],
      [
        "H4",
        "H1",
        "H3"
      ],
      [
        "L1",
        "H4",
        "H1"
      ]
    ],
    "winnings": 36.00,
    "multiplier": 2
  },
  {
    "gridBeforeCascade": [
      [
        "L3",
        "L2",
        "H3"
      ],
      [
        "L2",
        "FS",
        "L3"
      ],
      [
        "L1",
        "L3",
        "H4"
      ],
```

```
        [
          "H4",
          "H1",
          "H3"
        ],
        [
          "L1",
          "H4",
          "H1"
        ]
      ],
      "winningLines": [

      ],
      "winningsPerLine": [

      ],
      "disappearingSymbolsInWinningLines": null,
      "wildsInWinningCombinations": null,
      "gridAfterCascade": null,
      "winnings": 0.00,
      "multiplier": null
    }
  ]
}
```

RESPONSE SAMPLE SLOTS LAST AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5cab88f7e574ea2d9f4aeed0",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "543.00",
      "currency": "USD",
      "pretty": "USD 543.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "USD 0.00"
    },
    "totalBalance": {
      "amount": "543.00",
      "currency": "USD",
      "pretty": "USD 543.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "USD 1.00"
  },
  "numberOfLines": 20,
```

```json
    "freeSpinsRemaining": 0,
    "freeSpinsWon": 0,
    "bonusAwarded": "NONE",
    "spinPayout": 0.00,
    "totalPayout": 0.00,
    "winningCelebration": null,
    "isGambleEligible": false,
    "gambleAttemptsLeft": 0,
    "freeSpinState": {
      "playerFreeSpinId": "5cab88a8e574ea2dcd89eec2",
      "freeSpinsRemaining": 0,
      "freeSpinsAwarded": 5,
      "totalWin": {
        "amount": "43.00",
        "currency": "USD",
        "pretty": "USD 43.00"
      },
      "stake": {
        "amount": "1.00",
        "currency": "USD",
        "pretty": "USD 1.00"
      },
      "noOfLines": 20,
      "pendingFreeSpinGameResponse": null
    },
    "unfinishedGame": null,
    "messageDetails": null,
    "stepResponses": [
      {
        "gridBeforeCascade": [
          [
            "L3",
            "H4",
            "L2"
          ],
          [
            "FS",
            "H3",
            "L1"
          ],
          [
            "L2",
            "FS",
            "H4"
          ],
          [
            "L2",
            "L1",
            "H3"
          ],
          [
            "H4",
            "L2",
            "H2"
          ]
```

```
    ],
    "winningLines": [

    ],
    "winningsPerLine": [

    ],
    "disappearingSymbolsInWinningLines": null,
    "gridAfterCascade": null,
    "winnings": 0.00,
    "multiplier": null
    }
  ]
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "7003",
  "description": "Invalid Player Free Spin ID"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
playerFreeSpinId	*Required*	*Player free spin id provided in initialize response*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round
7002	Invalid Player for the campaign
7003	Invalid Player Free Spin ID

PLUCKY PIRATES DEVILS TRIANGLE SLOTS GAME CONFIG

API to get the configuration of the slot game like reel layout, bonus configuration, symbol stake multiplier, paylines for Plucky Pirates Devils Triangle game.

ENDPOINT URL:

/api/games/cod/slots/config?gameSkin=plucky-pirates-devil

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```
{
  "autoSpinEnabled": false,
  "realityCheckEnabled": true,
  "depositUrl": "https://gs7.dev.markor.com/demo/index.html",
  "historyUrl": "https://gs7.dev.markor.com/demo/index.html",
  "domainName": "https://gs7.dev.markor.com/demo/index.html",
  "loginUrl": "https://gs7.dev.markor.com/demo/index.html",
  "demoPlayDepositUrl": "https://gs7.qa.markor.com/demo/index.html",
  "loader": "https://content.markor.com/content/all/images/cool-games.jpg",
  "winningCelebrations": [
    {
      "name": "bigwin",
      "stakeToWinningsRatioConsequent": 5
    },
    {
      "name": "hugewin",
      "stakeToWinningsRatioConsequent": 10
    },
    {
      "name": "gaintwin",
      "stakeToWinningsRatioConsequent": 15
    }
  ],
  "stakeConfig": {
    "USD": {
      "minStake": 0.01,
      "maxStake": 1,
      "stakeLadder": [
        0.01,
        0.02,
        0.03,
        0.5,
        1
      ]
    },
    "GBP": {
      "minStake": 0.01,
      "maxStake": 1,
      "stakeLadder": [
        0.01,
        0.02,
```

```
            1,
            2,
            3
        ]
      }
    },
    "paylineOffsets": [
      [
        1,
        1,
        1,
        1,
        1
      ],
      [
        2,
        2,
        2,
        2,
        2
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        3,
        3,
        3,
        3,
        3
      ],
      [
        1,
        2,
        3,
        2,
        1
      ],
      [
        2,
        1,
        0,
        1,
        2
      ],
      [
        0,
        0,
        1,
        2,
        3
```

```
    ],
    [
      3,
      3,
      2,
      1,
      0
    ],
    [
      1,
      0,
      0,
      0,
      1
    ],
    [
      2,
      3,
      3,
      3,
      2
    ],
    [
      0,
      1,
      2,
      3,
      3
    ],
    [
      3,
      2,
      1,
      0,
      0
    ],
    [
      1,
      0,
      1,
      2,
      1
    ],
    [
      2,
      3,
      2,
      1,
      2
    ],
    [
      0,
      1,
      0,
      1,
```

```
      0
    ],
    [
      3,
      2,
      3,
      2,
      3
    ],
    [
      1,
      2,
      1,
      0,
      1
    ],
    [
      2,
      1,
      2,
      3,
      2
    ],
    [
      0,
      1,
      1,
      1,
      0
    ],
    [
      3,
      2,
      2,
      2,
      3
    ],
    [
      1,
      1,
      2,
      3,
      3
    ],
    [
      2,
      2,
      1,
      0,
      0
    ],
    [
      1,
      1,
      0,
```

```
          1,
          1
      ],
      [
          2,
          2,
          3,
          2,
          2
      ],
      [
          1,
          2,
          2,
          2,
          3
      ],
      [
          2,
          1,
          1,
          1,
          0
      ],
      [
          0,
          0,
          1,
          0,
          0
      ],
      [
          3,
          3,
          2,
          3,
          3
      ],
      [
          0,
          1,
          2,
          2,
          3
      ],
      [
          3,
          2,
          1,
          1,
          0
      ]
  ],
  "gameConfiguration": null
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

PLUCKY PIRATES DEVILS TRIANGLE SLOTS INITIALIZE

API to get all the basic player details like player account balances, reality check info, custom stake settings if any configured for the player. Game Play State object is null for regular plays. But if there are unfinished games, gamePlayState is returned with the unfinished game.

ENDPOINT URL:

/api/player/slots/initialise?gameSkin= plucky-pirates-devil

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS WITH PENDING FREESPINS FOR GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "3015.00",
        "currency": "USD",
        "pretty": "$ 3015.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "3015.00",
        "currency": "USD",
        "pretty": "$ 3015.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 60,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "message": null,
    "sessionElapsedTime": 69
  },
  "gamePlayState": null,
```

```json
  "freeSpinState": {
    "playerFreeSpinId": "5cd96dbb375baf14946363bc",
    "freeSpinsRemaining": 3,
    "freeSpinsAwarded": 3,
    "totalWin": null,
    "stake": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "$ 1.00"
    },
    "noOfLines": 30,
    "pendingFreeSpinGameResponse": null
  }
}
```

RESPONSE SAMPLE SUCCESS WITH UNFINISHED GAME

```json
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "52050.00",
        "currency": "USD",
        "pretty": "$ 52050.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "52050.00",
        "currency": "USD",
        "pretty": "$ 52050.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 60,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "message": null,
    "sessionElapsedTime": 79
  },
```

```
"gamePlayState": {
  "gameRoundId": "5cd97007375baf160b7ca51b",
  "gameRoundState": null,
  "status": "IN_PROGRESS",
  "gameResponse": {
    "gameRoundId": "5cd97007375baf160b7ca51b",
    "status": "IN_PROGRESS",
    "balance": {
      "cashBalance": {
        "amount": "52050.00",
        "currency": "USD",
        "pretty": "$ 52050.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "52050.00",
        "currency": "USD",
        "pretty": "$ 52050.00"
      },
      "playerWithhold": null
    },
    "demoPlay": false,
    "stakePerLine": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "$ 1.00"
    },
    "stakeAmount": null,
    "numberOfLines": 30,
    "symbolGrid": {
      "symbols": [
        [
          "HIGH_1",
          "HIGH_2",
          "QUEEN",
          "JACK",
          "TEN"
        ],
        [
          "HIGH_1",
          "HIGH_3",
          "ACE",
          "HIGH_3",
          "HIGH_4"
        ],
        [
          "HIGH_1",
          "HIGH_3",
          "TEN",
          "KING",
          "ACE"
```

```
        ],
        [
          "HIGH_1",
          "JACK",
          "ACE",
          "ACE",
          "TEN"
        ]
      ]
    },
    "freeSpinsRemaining": 0,
    "freeSpinsWon": 0,
    "bonusAwarded": "HOLD_AND_SPIN",
    "spinPayout": 0.00,
    "totalPayout": 0.00,
    "winningCelebration": null,
    "winningLines": [

    ],
    "winningLineAmounts": [

    ],
    "freeSpinState": null,
    "unfinishedGame": null,
    "messages": null,
    "symbolCounts": {

    },
    "modifiedReelGrid": [
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
```

```
              0
          ]
      ],
      "lockedReels": [
          [
              1,
              0,
              0,
              0,
              0
          ],
          [
              1,
              0,
              0,
              0,
              0
          ],
          [
              1,
              0,
              0,
              0,
              0
          ],
          [
              1,
              0,
              0,
              0,
              0
          ]
      ],
      "lockedPositions": 0,
      "freeSpinBonusPick": null
    }
  },
  "freeSpinState": null
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

PLUCKY PIRATES DEVILS TRIANGLE SLOTS SPIN

API to trigger the spin for Plucky Pirates Devils Triangle slots game. For Regular Spin, status is returned as COMPLETE with winning pay lines and amount. When re spins are won, status is returned as IN_PROGRESS. Subsequent request for re spin should be a "CONTINUE" until the status is COMPLETE.

ENDPOINT URL:

/api/games/cod/slots/spin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameSkin": "plucky-pirates-devil",
  "stake": {
    "currency": "USD",
    "amount": 0.1
  },
  "numberOfLines": 30
}
```

RESPONSE SAMPLE SUCCESS

```
{
  "gameRoundId": "5cd96f6e375baf160b7ca516",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "52050.00",
      "currency": "USD",
      "pretty": "$ 52050.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "52050.00",
      "currency": "USD",
      "pretty": "$ 52050.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
```

```
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
      [
        "QUEEN",
        "HIGH_4",
        "HIGH_1",
        "QUEEN",
        "JACK"
      ],
      [
        "TEN",
        "HIGH_1",
        "HIGH_2",
        "HIGH_4",
        "QUEEN"
      ],
      [
        "FREE_SPIN_SCATTER",
        "QUEEN",
        "ACE",
        "KING",
        "HIGH_3"
      ],
      [
        "JACK",
        "TEN",
        "HIGH_1",
        "QUEEN",
        "TEN"
      ]
    ]
  },
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "freeSpinState": null,
  "unfinishedGame": null,
  "messages": null,
  "symbolCounts": {

  },
  "modifiedReelGrid": [
    [
      0,
      0,
```

```
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ]
      ],
      "lockedReels": [
        [
          0,
          0,
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ]
```

```
  ],
  "lockedPositions": 0,
  "freeSpinBonusPick": null
}
```

RESPONSE SAMPLE SUCCESS WITH HOLD AND SPIN

```
{
  "gameRoundId": "5cd97007375baf160b7ca51b",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "52050.00",
      "currency": "USD",
      "pretty": "$ 52050.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "52050.00",
      "currency": "USD",
      "pretty": "$ 52050.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
      [
        "HIGH_1",
        "HIGH_2",
        "QUEEN",
        "JACK",
        "TEN"
      ],
      [
        "HIGH_1",
        "HIGH_3",
        "ACE",
        "HIGH_3",
        "HIGH_4"
      ],
      [
        "HIGH_1",
        "HIGH_3",
        "TEN",
```

```
        "KING",
        "ACE"
      ],
      [
        "HIGH_1",
        "JACK",
        "ACE",
        "ACE",
        "TEN"
      ]
    ]
  },
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "HOLD_AND_SPIN",
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "freeSpinState": null,
  "unfinishedGame": null,
  "messages": null,
  "symbolCounts": {

  },
  "modifiedReelGrid": [
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
```

```
        0,
        0,
        0
      ]
    ],
    "lockedReels": [
      [
        1,
        0,
        0,
        0,
        0
      ],
      [
        1,
        0,
        0,
        0,
        0
      ],
      [
        1,
        0,
        0,
        0,
        0
      ],
      [
        1,
        0,
        0,
        0,
        0
      ]
    ],
    "lockedPositions": 0,
    "freeSpinBonusPick": null
}
```

RESPONSE SAMPLE SUCCESS WITH STACKED WILDS

```
{
    "gameRoundId": "5cd96f29375baf160b7ca513",
    "status": "COMPLETE",
    "balance": {
      "cashBalance": {
        "amount": "52040.00",
        "currency": "USD",
        "pretty": "$ 52040.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
```

```
      "amount": "52040.00",
      "currency": "USD",
      "pretty": "$ 52040.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
      [
        "HIGH_1",
        "WILD",
        "TEN",
        "TEN",
        "TEN"
      ],
      [
        "HIGH_2",
        "HIGH_2",
        "WILD",
        "WILD",
        "WILD"
      ],
      [
        "HIGH_3",
        "HIGH_3",
        "HIGH_2",
        "HIGH_2",
        "HIGH_2"
      ],
      [
        "HIGH_4",
        "HIGH_4",
        "HIGH_3",
        "HIGH_3",
        "HIGH_3"
      ]
    ]
  },
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "STACKED_WILDS",
  "spinPayout": 3960.00,
  "totalPayout": 3960.00,
  "winningCelebration": "gaintwin",
  "winningLines": [
    1,
    2,
```

```
      3,
      4,
      5,
      6,
      7,
      8,
      9,
      10,
      11,
      12,
      13,
      14,
      15,
      16,
      17,
      18,
      19,
      20,
      21,
      22,
      23,
      24,
      25,
      26,
      27,
      28,
      29,
      30
    ],
    "winningLineAmounts": [
      250.00,
      20.00,
      40.00,
      15.00,
      250.00,
      200.00,
      40.00,
      150.00,
      25.00,
      200.00,
      40.00,
      15.00,
      250.00,
      200.00,
      500.00,
      15.00,
      25.00,
      200.00,
      500.00,
      15.00,
      25.00,
      20.00,
      250.00,
      20.00,
      250.00,
```

```
      200.00,
      40.00,
      15.00,
      40.00,
      150.00
    ],
    "freeSpinState": null,
    "unfinishedGame": null,
    "messages": null,
    "symbolCounts": {
      "0": {
        "symbol": "HIGH_2",
        "count": 5,
        "symbolIndex": [
          1,
          1,
          1,
          1,
          1
        ]
      },
      "1": {
        "symbol": "HIGH_3",
        "count": 3,
        "symbolIndex": [
          2,
          2,
          2
        ]
      },
      "2": {
        "symbol": "HIGH_1",
        "count": 3,
        "symbolIndex": [
          0,
          0,
          0
        ]
      },
      "3": {
        "symbol": "HIGH_4",
        "count": 3,
        "symbolIndex": [
          3,
          3,
          3
        ]
      },
      "4": {
        "symbol": "HIGH_2",
        "count": 5,
        "symbolIndex": [
          1,
          2,
          3,
```

```
        2,
        1
      ]
    },
    "5": {
      "symbol": "HIGH_3",
      "count": 5,
      "symbolIndex": [
        2,
        1,
        0,
        1,
        2
      ]
    },
    "6": {
      "symbol": "HIGH_1",
      "count": 3,
      "symbolIndex": [
        0,
        0,
        1
      ]
    },
    "7": {
      "symbol": "HIGH_4",
      "count": 5,
      "symbolIndex": [
        3,
        3,
        2,
        1,
        0
      ]
    },
    "8": {
      "symbol": "HIGH_2",
      "count": 3,
      "symbolIndex": [
        1,
        0,
        0
      ]
    },
    "9": {
      "symbol": "HIGH_3",
      "count": 5,
      "symbolIndex": [
        2,
        3,
        3,
        3,
        2
      ]
    },
```

```
  "10": {
    "symbol": "HIGH_1",
    "count": 3,
    "symbolIndex": [
      0,
      1,
      2
    ]
  },
  "11": {
    "symbol": "HIGH_4",
    "count": 3,
    "symbolIndex": [
      3,
      2,
      1
    ]
  },
  "12": {
    "symbol": "HIGH_2",
    "count": 5,
    "symbolIndex": [
      1,
      0,
      1,
      2,
      1
    ]
  },
  "13": {
    "symbol": "HIGH_3",
    "count": 5,
    "symbolIndex": [
      2,
      3,
      2,
      1,
      2
    ]
  },
  "14": {
    "symbol": "HIGH_1",
    "count": 5,
    "symbolIndex": [
      0,
      1,
      0,
      1,
      0
    ]
  },
  "15": {
    "symbol": "HIGH_4",
    "count": 3,
    "symbolIndex": [
```

```
        3,
        2,
        3
      ]
    },
    "16": {
      "symbol": "HIGH_2",
      "count": 3,
      "symbolIndex": [
        1,
        2,
        1
      ]
    },
    "17": {
      "symbol": "HIGH_3",
      "count": 5,
      "symbolIndex": [
        2,
        1,
        2,
        3,
        2
      ]
    },
    "18": {
      "symbol": "HIGH_1",
      "count": 5,
      "symbolIndex": [
        0,
        1,
        1,
        1,
        0
      ]
    },
    "19": {
      "symbol": "HIGH_4",
      "count": 3,
      "symbolIndex": [
        3,
        2,
        2
      ]
    },
    "20": {
      "symbol": "HIGH_2",
      "count": 3,
      "symbolIndex": [
        1,
        1,
        2
      ]
    },
    "21": {
```

```json
      "symbol": "HIGH_3",
      "count": 3,
      "symbolIndex": [
        2,
        2,
        1
      ]
    },
    "22": {
      "symbol": "HIGH_2",
      "count": 5,
      "symbolIndex": [
        1,
        1,
        0,
        1,
        1
      ]
    },
    "23": {
      "symbol": "HIGH_3",
      "count": 3,
      "symbolIndex": [
        2,
        2,
        3
      ]
    },
    "24": {
      "symbol": "HIGH_2",
      "count": 5,
      "symbolIndex": [
        1,
        2,
        2,
        2,
        3
      ]
    },
    "25": {
      "symbol": "HIGH_3",
      "count": 5,
      "symbolIndex": [
        2,
        1,
        1,
        1,
        0
      ]
    },
    "26": {
      "symbol": "HIGH_1",
      "count": 3,
      "symbolIndex": [
        0,
```

```
        0,
        1
      ]
    },
    "27": {
      "symbol": "HIGH_4",
      "count": 3,
      "symbolIndex": [
        3,
        3,
        2
      ]
    },
    "28": {
      "symbol": "HIGH_1",
      "count": 3,
      "symbolIndex": [
        0,
        1,
        2
      ]
    },
    "29": {
      "symbol": "HIGH_4",
      "count": 5,
      "symbolIndex": [
        3,
        2,
        1,
        1,
        0
      ]
    }
  },
  "modifiedReelGrid": [
    [
      0,
      1,
      1,
      0,
      1
    ],
    [
      0,
      1,
      1,
      0,
      1
    ],
    [
      0,
      1,
      1,
      0,
      1
```

```
    ],
    [
      0,
      1,
      1,
      0,
      1
    ]
  ],
  "lockedReels": [
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ]
  ],
  "lockedPositions": 0,
  "freeSpinBonusPick": null
}
```

RESPONSE SAMPLE SUCCESS WITH CONTAGIOUS WILDS

```
{
  "gameRoundId": "5cd96f4f375baf160b7ca515",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "52080.00",
      "currency": "USD",
      "pretty": "$ 52080.00"
    },
    "bonusBalance": {
      "amount": "0.00",
```

```
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "52080.00",
      "currency": "USD",
      "pretty": "$ 52080.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
      [
        "KING",
        "CONTAGIOUS_WILD_SCATTER",
        "QUEEN",
        "HIGH_4",
        "ACE"
      ],
      [
        "HIGH_2",
        "WILD",
        "HIGH_1",
        "ACE",
        "HIGH_4"
      ],
      [
        "TEN",
        "HIGH_4",
        "TEN",
        "QUEEN",
        "ACE"
      ],
      [
        "JACK",
        "HIGH_2",
        "QUEEN",
        "HIGH_2",
        "QUEEN"
      ]
    ]
  },
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "CONTAGIOUS_WILDS",
  "spinPayout": 50.00,
  "totalPayout": 50.00,
```

```
"winningCelebration": null,
"winningLines": [
  18
],
"winningLineAmounts": [
  50.00
],
"freeSpinState": null,
"unfinishedGame": null,
"messages": null,
"symbolCounts": {
  "0": {
    "symbol": "TEN",
    "count": 5,
    "symbolIndex": [
      2,
      1,
      2,
      3,
      2
    ]
  }
},
"modifiedReelGrid": [
  [
    0,
    0,
    0,
    1,
    1
  ],
  [
    0,
    0,
    0,
    1,
    0
  ],
  [
    0,
    0,
    0,
    1,
    1
  ],
  [
    0,
    0,
    0,
    1,
    1
  ]
],
"lockedReels": [
  [
```

```
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ]
    ],
    "lockedPositions": 0,
    "freeSpinBonusPick": null
}
```

RESPONSE SAMPLE SUCCESS WITH EXTRA RANDOM WILDS

```
{
  "gameRoundId": "5cd971c9375baf160b7ca51d",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "52895.00",
      "currency": "USD",
      "pretty": "$ 52895.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "52895.00",
      "currency": "USD",
      "pretty": "$ 52895.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
```

```json
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
      [
        "HIGH_2",
        "HIGH_3",
        "HIGH_4",
        "HIGH_4",
        "ACE"
      ],
      [
        "HIGH_3",
        "HIGH_4",
        "ACE",
        "ACE",
        "WILD_2X"
      ],
      [
        "HIGH_4",
        "ACE",
        "WILD_2X",
        "WILD_2X",
        "KING"
      ],
      [
        "ACE",
        "WILD_2X",
        "KING",
        "KING",
        "QUEEN"
      ]
    ]
  },
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "EXTRA_RANDOM_WILDS",
  "spinPayout": 905.00,
  "totalPayout": 905.00,
  "winningCelebration": "gaintwin",
  "winningLines": [
    6,
    8,
    12,
    13,
    14,
    18,
    20,
    26,
    28,
```

```
    30
  ],
  "winningLineAmounts": [
    15.00,
    200.00,
    10.00,
    400.00,
    30.00,
    15.00,
    100.00,
    15.00,
    20.00,
    100.00
  ],
  "freeSpinState": null,
  "unfinishedGame": null,
  "messages": null,
  "symbolCounts": {
    "0": {
      "symbol": "HIGH_4",
      "count": 3,
      "symbolIndex": [
        2,
        1,
        0
      ]
    },
    "1": {
      "symbol": "ACE",
      "count": 5,
      "symbolIndex": [
        3,
        3,
        2,
        1,
        0
      ]
    },
    "2": {
      "symbol": "ACE",
      "count": 3,
      "symbolIndex": [
        3,
        2,
        1
      ]
    },
    "3": {
      "symbol": "HIGH_3",
      "count": 5,
      "symbolIndex": [
        1,
        0,
        1,
        2,
```

```
        1
      ]
    },
    "4": {
      "symbol": "HIGH_4",
      "count": 3,
      "symbolIndex": [
        2,
        3,
        2
      ]
    },
    "5": {
      "symbol": "HIGH_4",
      "count": 3,
      "symbolIndex": [
        2,
        1,
        2
      ]
    },
    "6": {
      "symbol": "ACE",
      "count": 5,
      "symbolIndex": [
        3,
        2,
        2,
        2,
        3
      ]
    },
    "7": {
      "symbol": "HIGH_4",
      "count": 3,
      "symbolIndex": [
        2,
        1,
        1
      ]
    },
    "8": {
      "symbol": "ACE",
      "count": 3,
      "symbolIndex": [
        3,
        3,
        2
      ]
    },
    "9": {
      "symbol": "ACE",
      "count": 5,
      "symbolIndex": [
        3,
```

```
        2,
        1,
        1,
        0
      ]
    }
  },
  "modifiedReelGrid": [
    [
      0,
      0,
      0,
      0,
      1
    ],
    [
      0,
      0,
      1,
      0,
      0
    ],
    [
      0,
      0,
      1,
      1,
      0
    ],
    [
      0,
      0,
      0,
      0,
      1
    ]
  ],
  "lockedReels": [
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
```

```
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ]
  ],
  "lockedPositions": 0,
  "freeSpinBonusPick": null
}
```

RESPONSE SAMPLE SUCCESS RANDOM FREE SPINS

```
{
  "gameRoundId": "5cd971f6375baf160b7ca51e",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "52865.00",
      "currency": "USD",
      "pretty": "$ 52865.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "52865.00",
      "currency": "USD",
      "pretty": "$ 52865.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
      [
        "HIGH_1",
        "KING",
        "TEN",
        "JACK",
        "QUEEN"
      ],
```

```
      [
        "TEN",
        "HIGH_4",
        "QUEEN",
        "HIGH_3",
        "ACE"
      ],
      [
        "JACK",
        "HIGH_2",
        "WILD",
        "KING",
        "TEN"
      ],
      [
        "QUEEN",
        "HIGH_1",
        "TEN",
        "ACE",
        "QUEEN"
      ]
    ]
  },
  "freeSpinsRemaining": 20,
  "freeSpinsWon": 20,
  "bonusAwarded": "FREE_SPIN",
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "freeSpinState": null,
  "unfinishedGame": null,
  "messages": null,
  "symbolCounts": {

  },
  "modifiedReelGrid": [
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
```

```
        ],
        [
          0,
          0,
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ]
    ],
    "lockedReels": [
        [
          0,
          0,
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ]
    ],
    "lockedPositions": 0,
    "freeSpinBonusPick": "PICNIC_FREE_SPINS"
}
```

RESPONSE SAMPLE SUCCESS WITH FREESPIN NEAR MISS

```json
{
  "gameRoundId": "5cd9730b375baf160b7ca523",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "55052.00",
      "currency": "USD",
      "pretty": "$ 55052.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "55052.00",
      "currency": "USD",
      "pretty": "$ 55052.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
      [
        "FREE_SPIN_SCATTER",
        "KING",
        "FREE_SPIN_SCATTER",
        "KING",
        "KING"
      ],
      [
        "JACK",
        "HIGH_4",
        "JACK",
        "HIGH_4",
        "JACK"
      ],
      [
        "QUEEN",
        "HIGH_2",
        "QUEEN",
        "HIGH_2",
        "QUEEN"
      ],
      [
        "TEN",
```

```
        "HIGH_1",
        "TEN",
        "HIGH_1",
        "TEN"
      ]
  ]
},
"freeSpinsRemaining": 0,
"freeSpinsWon": 0,
"bonusAwarded": "FREE_SPIN_NEAR_MISS",
"spinPayout": 0.00,
"totalPayout": 0.00,
"winningCelebration": null,
"winningLines": [

],
"winningLineAmounts": [

],
"freeSpinState": null,
"unfinishedGame": null,
"messages": null,
"symbolCounts": {

},
"modifiedReelGrid": [
  [
    0,
    0,
    0,
    0,
    0
  ],
  [
    0,
    0,
    0,
    0,
    0
  ],
  [
    0,
    0,
    0,
    0,
    0
  ],
  [
    0,
    0,
    0,
    0,
    0
  ]
],
```

```
  "lockedReels": [
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ]
  ],
  "lockedPositions": 0,
  "freeSpinBonusPick": null
}
```

RESPONSE SAMPLE SUCCESS WITH PICNIC FREESPINS

```
{
  "gameRoundId": "5cd971f6375baf160b7ca51e",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "52865.00",
      "currency": "USD",
      "pretty": "$ 52865.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "52865.00",
      "currency": "USD",
      "pretty": "$ 52865.00"
    },
    "playerWithhold": null
```

```json
    },
    "demoPlay": false,
    "stakePerLine": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "$ 1.00"
    },
    "stakeAmount": null,
    "numberOfLines": 30,
    "symbolGrid": {
      "symbols": [
        [
          "HIGH_1",
          "KING",
          "TEN",
          "JACK",
          "QUEEN"
        ],
        [
          "TEN",
          "HIGH_4",
          "QUEEN",
          "HIGH_3",
          "ACE"
        ],
        [
          "JACK",
          "HIGH_2",
          "WILD",
          "KING",
          "TEN"
        ],
        [
          "QUEEN",
          "HIGH_1",
          "TEN",
          "ACE",
          "QUEEN"
        ]
      ]
    },
    "freeSpinsRemaining": 20,
    "freeSpinsWon": 20,
    "bonusAwarded": "FREE_SPIN",
    "spinPayout": 0.00,
    "totalPayout": 0.00,
    "winningCelebration": null,
    "winningLines": [

    ],
    "winningLineAmounts": [

    ],
    "freeSpinState": null,
    "unfinishedGame": null,
```

```
"messages": null,
"symbolCounts": {

},
"modifiedReelGrid": [
  [
    0,
    0,
    0,
    0,
    0
  ],
  [
    0,
    0,
    0,
    0,
    0
  ],
  [
    0,
    0,
    0,
    0,
    0
  ],
  [
    0,
    0,
    0,
    0,
    0
  ]
],
"lockedReels": [
  [
    0,
    0,
    0,
    0,
    0
  ],
  [
    0,
    0,
    0,
    0,
    0
  ],
  [
    0,
    0,
    0,
    0,
    0
```

```
    ],
    [
      0,
      0,
      0,
      0,
      0
    ]
  ],
  "lockedPositions": 0,
  "freeSpinBonusPick": "PICNIC_FREE_SPINS"
}
```

RESPONSE SAMPLE SUCCESS WITH FISHING FREESPINS

```
{
  "gameRoundId": "5cd9733b375baf160b7ca524",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "55022.00",
      "currency": "USD",
      "pretty": "$ 55022.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "55022.00",
      "currency": "USD",
      "pretty": "$ 55022.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
      [
        "HIGH_3",
        "HIGH_3",
        "HIGH_3",
        "HIGH_3",
        "HIGH_3"
      ],
      [
        "HIGH_4",
        "HIGH_4",
```

```
        "HIGH_4",
        "HIGH_4",
        "HIGH_4"
      ],
      [
        "HIGH_2",
        "ACE",
        "ACE",
        "ACE",
        "ACE"
      ],
      [
        "HIGH_1",
        "TEN",
        "TEN",
        "TEN",
        "TEN"
      ]
    ]
  },
  "freeSpinsRemaining": 5,
  "freeSpinsWon": 5,
  "bonusAwarded": "FREE_SPIN",
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "freeSpinState": null,
  "unfinishedGame": null,
  "messages": null,
  "symbolCounts": {

  },
  "modifiedReelGrid": [
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
```

```
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ]
  ],
  "lockedReels": [
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ]
  ],
  "lockedPositions": 0,
  "freeSpinBonusPick": "FISHING_FREE_SPINS"
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
stake- currency, amount	*Required*	*Bet Amount and currency*
numberOfLines	*Required*	*Number of lines bet on (30 for Plucky Pirates Devil Triangle)*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

PLUCKY PIRATES DEVILS TRIANGLE SLOTS FREESPIN CONTINUE

Freespin API which is invoked when free spins are won in the freespin feature. Continue request needs to be sent until the status is COMPLETE. All the free spins are bound to the same game round.

ENDPOINT URL:

/api/games/cod/slots/continue

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameRoundId": " 5cd95f95375baf160b7ca4b0",
  "gameSkin": "plucky-pirates-devil"
}
```

RESPONSE SAMPLE SLOTS FOR PICNIC FREESPINS

```
{
  "gameRoundId": "5cd971f6375baf160b7ca51e",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "52865.00",
      "currency": "USD",
      "pretty": "$ 52865.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "52865.00",
      "currency": "USD",
      "pretty": "$ 52865.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
      [
        "QUEEN",
        "ACE",
```

```
          "KING",
          "ACE",
          "HIGH_4"
        ],
        [
          "JACK",
          "TEN",
          "TEN",
          "TEN",
          "ACE"
        ],
        [
          "TEN",
          "KING",
          "ACE",
          "QUEEN",
          "HIGH_1"
        ],
        [
          "HIGH_1",
          "QUEEN",
          "JACK",
          "HIGH_4",
          "TEN"
        ]
      ]
    },
    "freeSpinsRemaining": 19,
    "freeSpinsWon": 0,
    "bonusAwarded": "PICNIC_FREE_SPINS",
    "spinPayout": 15.00,
    "totalPayout": 15.00,
    "winningCelebration": null,
    "winningLines": [
      26
    ],
    "winningLineAmounts": [
      15.00
    ],
    "freeSpinState": null,
    "unfinishedGame": null,
    "messages": null,
    "symbolCounts": {
      "0": {
        "symbol": "TEN",
        "count": 4,
        "symbolIndex": [
          2,
          1,
          1,
          1
        ]
      }
    },
    "modifiedReelGrid": [
```

```
        [
          0,
          0,
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ]
      ],
      "lockedReels": [
        [
          0,
          0,
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
```

```
        0,
        0
      ]
    ],
    "lockedPositions": 0,
    "freeSpinBonusPick": "PICNIC_FREE_SPINS"
}
```

RESPONSE SAMPLE SLOTS FOR FISHING FREESPINS

```
{
    "gameRoundId": "5cd9733b375baf160b7ca524",
    "status": "IN_PROGRESS",
    "balance": {
      "cashBalance": {
        "amount": "55022.00",
        "currency": "USD",
        "pretty": "$ 55022.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "55022.00",
        "currency": "USD",
        "pretty": "$ 55022.00"
      },
      "playerWithhold": null
    },
    "demoPlay": false,
    "stakePerLine": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "$ 1.00"
    },
    "stakeAmount": null,
    "numberOfLines": 30,
    "symbolGrid": {
      "symbols": [
        [
          "HIGH_4",
          "ACE",
          "HIGH_3",
          "KING",
          "KING"
        ],
        [
          "KING",
          "JACK",
          "HIGH_4",
          "QUEEN",
          "JACK"
        ],
        [
```

```
        "HIGH_3",
        "QUEEN",
        "JACK",
        "TEN",
        "HIGH_3"
      ],
      [
        "HIGH_1",
        "HIGH_2",
        "HIGH_2",
        "JACK",
        "HIGH_4"
      ]
    ]
  },
  "freeSpinsRemaining": 1,
  "freeSpinsWon": 0,
  "bonusAwarded": "FISHING_FREE_SPINS",
  "spinPayout": 0.00,
  "totalPayout": 25.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "freeSpinState": null,
  "unfinishedGame": null,
  "messages": null,
  "symbolCounts": {

  },
  "modifiedReelGrid": [
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
```

```
        [
          0,
          0,
          0,
          0,
          0
        ]
      ],
      "lockedReels": [
        [
          0,
          1,
          0,
          1,
          0
        ],
        [
          0,
          1,
          1,
          1,
          0
        ],
        [
          0,
          0,
          1,
          1,
          0
        ],
        [
          0,
          1,
          1,
          0,
          0
        ]
      ],
      "lockedPositions": 0,
      "freeSpinBonusPick": "FISHING_FREE_SPINS"
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
gameRoundId	*Required*	*Game Round of the triggering spin*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

PLUCKY PIRATES DEVILS TRIANGLE SLOTS AWARDED FREESPINS

Awarded Freespins API for Plucky Pirates Devils Triangle which is invoked when free spins are awarded by the operator and the player freespin id is passed as part of the initialize reponse. Freespins request needs to be sent until all the all the freespins awarded are played out by the player. The last free spin response would return if there are any unfinished games pending for the player and the current game

ENDPOINT URL:

/api/games/cod/slots/freespin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "playerFreeSpinId": " 5cd95d92375baf149463638b",
  "gameSkin": "plucky-pirates-devil "
}
```

RESPONSE SAMPLE SLOTS INTERMEDIATE AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5cd96e05375baf160b7ca500",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "4690.00",
      "currency": "USD",
      "pretty": "$ 4690.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "4690.00",
      "currency": "USD",
      "pretty": "$ 4690.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
```

```
        [
          "HIGH_2",
          "HIGH_2",
          "HIGH_2",
          "HIGH_2",
          "HIGH_2"
        ],
        [
          "HIGH_3",
          "HIGH_3",
          "HIGH_3",
          "HIGH_3",
          "HIGH_3"
        ],
        [
          "HIGH_4",
          "HIGH_4",
          "HIGH_4",
          "HIGH_4",
          "HIGH_4"
        ],
        [
          "ACE",
          "ACE",
          "ACE",
          "ACE",
          "ACE"
        ]
      ]
    },
    "freeSpinsRemaining": 0,
    "freeSpinsWon": 0,
    "bonusAwarded": "STACKED_WILDS",
    "spinPayout": 1675.00,
    "totalPayout": 1675.00,
    "winningCelebration": "gaintwin",
    "winningLines": [
      1,
      2,
      3,
      4,
      7,
      8,
      21,
      22,
      23,
      24,
      27,
      28
    ],
    "winningLineAmounts": [
      200.00,
      150.00,
      250.00,
      100.00,
```

```
      100.00,
      35.00,
      80.00,
      60.00,
      200.00,
      150.00,
      250.00,
      100.00
   ],
   "freeSpinState": {
      "playerFreeSpinId": "5cd96dbb375baf14946363bc",
      "freeSpinsRemaining": 2,
      "freeSpinsAwarded": 3,
      "totalWin": {
         "amount": "1675.00",
         "currency": "USD",
         "pretty": "$ 1675.00"
      },
      "stake": {
         "amount": "1.00",
         "currency": "USD",
         "pretty": "$ 1.00"
      },
      "noOfLines": 30,
      "pendingFreeSpinGameResponse": null
   },
   "unfinishedGame": null,
   "messages": null,
   "symbolCounts": {
      "0": {
         "symbol": "HIGH_3",
         "count": 5,
         "symbolIndex": [
            1,
            1,
            1,
            1,
            1
         ]
      },
      "1": {
         "symbol": "HIGH_4",
         "count": 5,
         "symbolIndex": [
            2,
            2,
            2,
            2,
            2
         ]
      },
      "2": {
         "symbol": "HIGH_2",
         "count": 5,
         "symbolIndex": [
```

```
      0,
      0,
      0,
      0,
      0
    ]
  },
  "3": {
    "symbol": "ACE",
    "count": 5,
    "symbolIndex": [
      3,
      3,
      3,
      3,
      3
    ]
  },
  "4": {
    "symbol": "HIGH_2",
    "count": 4,
    "symbolIndex": [
      0,
      0,
      1,
      2
    ]
  },
  "5": {
    "symbol": "ACE",
    "count": 4,
    "symbolIndex": [
      3,
      3,
      2,
      1
    ]
  },
  "6": {
    "symbol": "HIGH_3",
    "count": 4,
    "symbolIndex": [
      1,
      1,
      2,
      3
    ]
  },
  "7": {
    "symbol": "HIGH_4",
    "count": 4,
    "symbolIndex": [
      2,
      2,
      1,
```

```
          0
        ]
      },
      "8": {
        "symbol": "HIGH_3",
        "count": 5,
        "symbolIndex": [
          1,
          1,
          0,
          1,
          1
        ]
      },
      "9": {
        "symbol": "HIGH_4",
        "count": 5,
        "symbolIndex": [
          2,
          2,
          3,
          2,
          2
        ]
      },
      "10": {
        "symbol": "HIGH_2",
        "count": 5,
        "symbolIndex": [
          0,
          0,
          1,
          0,
          0
        ]
      },
      "11": {
        "symbol": "ACE",
        "count": 5,
        "symbolIndex": [
          3,
          3,
          2,
          3,
          3
        ]
      }
    },
    "modifiedReelGrid": [
      [
        0,
        0,
        1,
        1,
        0
```

```
      ],
      [
        0,
        0,
        1,
        1,
        0
      ],
      [
        0,
        0,
        1,
        1,
        0
      ],
      [
        0,
        0,
        1,
        1,
        0
      ]
    ],
    "lockedReels": [
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ]
    ],
    "lockedPositions": 0,
    "freeSpinBonusPick": null
```

```
}
```

RESPONSE SAMPLE SLOTS LAST AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5cd96e08375baf160b7ca502",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "8190.00",
      "currency": "USD",
      "pretty": "$ 8190.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "8190.00",
      "currency": "USD",
      "pretty": "$ 8190.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
      [
        "HIGH_2",
        "HIGH_2",
        "HIGH_2",
        "HIGH_2",
        "HIGH_2"
      ],
      [
        "HIGH_3",
        "HIGH_3",
        "HIGH_3",
        "HIGH_3",
        "HIGH_3"
      ],
      [
        "HIGH_4",
        "HIGH_4",
        "HIGH_4",
        "HIGH_4",
        "HIGH_4"
      ],
```

```
        [
          "ACE",
          "ACE",
          "ACE",
          "ACE",
          "ACE"
        ]
      ]
    },
    "freeSpinsRemaining": 0,
    "freeSpinsWon": 0,
    "bonusAwarded": "STACKED_WILDS",
    "spinPayout": 1750.00,
    "totalPayout": 1750.00,
    "winningCelebration": "gaintwin",
    "winningLines": [
      1,
      2,
      3,
      4,
      13,
      14,
      15,
      16,
      17,
      18
    ],
    "winningLineAmounts": [
      200.00,
      150.00,
      250.00,
      100.00,
      200.00,
      150.00,
      250.00,
      100.00,
      200.00,
      150.00
    ],
    "freeSpinState": {
      "playerFreeSpinId": "5cd96dbb375baf14946363bc",
      "freeSpinsRemaining": 0,
      "freeSpinsAwarded": 3,
      "totalWin": {
        "amount": "5175.00",
        "currency": "USD",
        "pretty": "$ 5175.00"
      },
      "stake": {
        "amount": "1.00",
        "currency": "USD",
        "pretty": "$ 1.00"
      },
      "noOfLines": 30,
      "pendingFreeSpinGameResponse": null
```

```json
  },
  "unfinishedGame": null,
  "messages": null,
  "symbolCounts": {
    "0": {
      "symbol": "HIGH_3",
      "count": 5,
      "symbolIndex": [
        1,
        1,
        1,
        1,
        1
      ]
    },
    "1": {
      "symbol": "HIGH_4",
      "count": 5,
      "symbolIndex": [
        2,
        2,
        2,
        2,
        2
      ]
    },
    "2": {
      "symbol": "HIGH_2",
      "count": 5,
      "symbolIndex": [
        0,
        0,
        0,
        0,
        0
      ]
    },
    "3": {
      "symbol": "ACE",
      "count": 5,
      "symbolIndex": [
        3,
        3,
        3,
        3,
        3
      ]
    },
    "4": {
      "symbol": "HIGH_3",
      "count": 5,
      "symbolIndex": [
        1,
        0,
        1,
```

```json
      2,
      1
    ]
  },
  "5": {
    "symbol": "HIGH_4",
    "count": 5,
    "symbolIndex": [
      2,
      3,
      2,
      1,
      2
    ]
  },
  "6": {
    "symbol": "HIGH_2",
    "count": 5,
    "symbolIndex": [
      0,
      1,
      0,
      1,
      0
    ]
  },
  "7": {
    "symbol": "ACE",
    "count": 5,
    "symbolIndex": [
      3,
      2,
      3,
      2,
      3
    ]
  },
  "8": {
    "symbol": "HIGH_3",
    "count": 5,
    "symbolIndex": [
      1,
      2,
      1,
      0,
      1
    ]
  },
  "9": {
    "symbol": "HIGH_4",
    "count": 5,
    "symbolIndex": [
      2,
      1,
      2,
```

```json
        3,
        2
      ]
    }
  },
  "modifiedReelGrid": [
    [
      0,
      1,
      0,
      1,
      0
    ],
    [
      0,
      1,
      0,
      1,
      0
    ],
    [
      0,
      1,
      0,
      1,
      0
    ],
    [
      0,
      1,
      0,
      1,
      0
    ]
  ],
  "lockedReels": [
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
```

```
        0
    ],
    [
        0,
        0,
        0,
        0,
        0
    ]
  ],
  "lockedPositions": 0,
  "freeSpinBonusPick": null
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "7003",
  "description": "Invalid Player Free Spin ID"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
playerFreeSpinId	*Required*	*Player free spin id provided in initialize response*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round
7002	Invalid Player for the campaign
7003	Invalid Player Free Spin ID

LUCKY TIGER SLOTS GAME CONFIG

API to get the configuration of the slot game like reel layout, bonus configuration, symbol stake multiplier, paylines for Lucky Tiger game.

ENDPOINT URL:

/api/games/tm/slots/config?gameSkin=lucky-tiger

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```json
{
  "autoSpinEnabled": true,
  "realityCheckEnabled": true,
  "depositUrl": "https://gs7.dev.markor.com/demo/index.html",
  "historyUrl": "https://gs7.dev.markor.com/demo/index.html",
  "domainName": "https://gs7.dev.markor.com/demo/index.html",
  "loginUrl": "https://gs7.dev.markor.com/demo/index.html",
  "demoPlayDepositUrl": "https://gs7.qa.markor.com/demo/index.html",
  "loader": "https://content.markor.com/content/all/images/cool-games.jpg",
  "winningCelebrations": [
    {
      "name": "bigwin",
      "stakeToWinningsRatioConsequent": 30
    },
    {
      "name": "hugewin",
      "stakeToWinningsRatioConsequent": 50
    },
    {
      "name": "gaintwin",
      "stakeToWinningsRatioConsequent": 75
    }
  ],
  "stakeConfig": {
    "USD": {
      "minStake": 0.01,
      "maxStake": 1,
      "stakeLadder": [
        0.01,
        0.02,
        1
      ]
    },
    "GBP": {
      "minStake": 0.01,
      "maxStake": 1,
      "stakeLadder": [
        0.01,
        0.02,
        0.03,
        0.5,
```

```
              1
        ]
      }
    },
    "gambleConfig": null,
    "paylineOffsets": [
      [
        1,
        1,
        1
      ],
      [
        0,
        0,
        0
      ],
      [
        2,
        2,
        2
      ],
      [
        0,
        1,
        2
      ],
      [
        2,
        1,
        0
      ]
    ],
    "showLobbyBtn": true,
    "showFullscreenBtn": true,
    "showDepositBtn": true,
    "implementation": ""
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

LUCKY TIGER SLOTS INITIALIZE

API to get all the basic player details like player account balances, reality check info, custom stake settings if any configured for the player. Game Play State object is null for regular plays. But if there are unfinished games, gamePlayState is returned with the unfinished game.

ENDPOINT URL:

/api/player/slots/initialise?gameSkin=lucky-tiger

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS WITH PENDING FREESPINS FOR GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "3000.00",
        "currency": "USD",
        "pretty": "$ 3000.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "3000.00",
        "currency": "USD",
        "pretty": "$ 3000.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 60,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "message": null,
    "sessionElapsedTime": 0
  },
  "gamePlayState": null,
```

```
  "freeSpinState": {
    "playerFreeSpinId": "5cd95d92375baf149463638b",
    "freeSpinsRemaining": 5,
    "freeSpinsAwarded": 5,
    "totalWin": null,
    "stake": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "$ 1.00"
    },
    "noOfLines": 5,
    "pendingFreeSpinGameResponse": null
  }
}
```

RESPONSE SAMPLE SUCCESS WITH UNFINISHED GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "2990.00",
        "currency": "USD",
        "pretty": "$ 2990.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "2990.00",
        "currency": "USD",
        "pretty": "$ 2990.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 60,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "message": null,
    "sessionElapsedTime": 20
  },
```

```
"gamePlayState": {
  "gameRoundId": "5cd95f95375baf160b7ca4b0",
  "gameRoundState": null,
  "status": "IN_PROGRESS",
  "gameResponse": {
    "gameRoundId": "5cd95f95375baf160b7ca4b0",
    "status": "IN_PROGRESS",
    "balance": {
      "cashBalance": {
        "amount": "2990.00",
        "currency": "USD",
        "pretty": "$ 2990.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "2990.00",
        "currency": "USD",
        "pretty": "$ 2990.00"
      },
      "playerWithhold": null
    },
    "messageDetails": null,
    "demoPlay": false,
    "stakePerLine": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "$ 1.00"
    },
    "stakeAmount": null,
    "numberOfLines": 5,
    "reelStops": [
      18,
      137,
      129
    ],
    "bonusAwarded": "RESPIN",
    "spinPayout": 0.00,
    "totalPayout": 0.00,
    "winningCelebration": null,
    "winningLines": [

    ],
    "winningLineAmounts": [

    ],
    "symbolCounts": {

    },
    "expandingReels": [
      0
    ],
```

```
        "isGambleEligible": false,
        "gambleAttemptsLeft": 0,
        "symbolGrid": {
          "symbols": [
            [
              "AA",
              "FF",
              "EE"
            ],
            [
              "AA",
              "FF",
              "EE"
            ],
            [
              "AA",
              "FF",
              "EE"
            ]
          ],
          "mysteryCombination": [
            "AA",
            "FF",
            "EE",
            "300"
          ],
          "mysteryIndex": 10906
        },
        "modifiedReels": [
          [
            1,
            0,
            0
          ],
          [
            1,
            0,
            0
          ],
          [
            1,
            0,
            0
          ]
        ],
        "lockedReels": [
          1,
          0,
          0
        ],
        "topWin": false
      }
    },
    "freeSpinState": null
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

LUCKY TIGER SLOTS SPIN

API to trigger the spin for Lucky Tiger slots game. For Regular Spin, status is returned as COMPLETE with winning pay lines and amount. When re spins are won, status is returned as IN_PROGRESS. Subsequent request for re spin should be a "CONTINUE" until the status is COMPLETE.

ENDPOINT URL:

/api/games/tm/slots/spin

REQUEST METHOD: POST

REQUEST PAYLOAD

```json
{
  "gameSkin": "lucky-tiger",
  "stake": {
    "currency": "USD",
    "amount": 0.1
  },
  "numberOfLines": 5
}
```

RESPONSE SAMPLE SUCCESS

```json
{
  "gameRoundId": "5cd95db2375baf160b7ca4a6",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "2995.00",
      "currency": "USD",
      "pretty": "$ 2995.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "2995.00",
      "currency": "USD",
      "pretty": "$ 2995.00"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
```

```
"stakeAmount": null,
"numberOfLines": 5,
"reelStops": [
  217,
  169,
  83
],
"bonusAwarded": "NONE",
"spinPayout": 0.00,
"totalPayout": 0.00,
"winningCelebration": null,
"winningLines": [

],
"winningLineAmounts": [

],
"symbolCounts": {

},
"expandingReels": [

],
"isGambleEligible": false,
"gambleAttemptsLeft": 0,
"symbolGrid": {
  "symbols": [
    [
      "FF",
      "DD",
      "BB"
    ],
    [
      "FF",
      "DD",
      "BB"
    ],
    [
      "FF",
      "DD",
      "BB"
    ]
  ],
  "mysteryCombination": [
    "FF",
    "DD",
    "BB",
    "1178"
  ],
  "mysteryIndex": 244668
},
"modifiedReels": [
  [
    0,
    0,
```

```
      0
    ],
    [
      0,
      0,
      0
    ],
    [
      0,
      0,
      0
    ]
  ],
  "lockedReels": [
    0,
    0,
    0
  ],
  "topWin": false
}
```

RESPONSE SAMPLE SUCCESS WITH RESPIN

```
{
  "gameRoundId": "5cd95f95375baf160b7ca4b0",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "2990.00",
      "currency": "USD",
      "pretty": "$ 2990.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "2990.00",
      "currency": "USD",
      "pretty": "$ 2990.00"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 5,
  "reelStops": [
    319,
    1,
```

```
      1
  ],
  "bonusAwarded": "RESPIN",
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "symbolCounts": {

  },
  "expandingReels": [
    0
  ],
  "isGambleEligible": false,
  "gambleAttemptsLeft": 0,
  "symbolGrid": {
    "symbols": [
      [
        "AA",
        "BB",
        "BB"
      ],
      [
        "AA",
        "BB",
        "BB"
      ],
      [
        "AA",
        "BB",
        "BB"
      ]
    ],
    "mysteryCombination": null,
    "mysteryIndex": 0
  },
  "modifiedReels": [
    [
      1,
      0,
      0
    ],
    [
      1,
      0,
      0
    ],
    [
      1,
      0,
```

```
      0
    ]
  ],
  "lockedReels": [
    1,
    0,
    0
  ],
  "topWin": false
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	Required	Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.
stake- currency, amount	Required	Bet Amount and currency
numberOfLines	Required	Number of lines bet on (5 for Lucky Tiger)

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

LUCKY TIGER SLOTS FREESPIN CONTINUE

Freespin API which is invoked when free spins are won in the Respin feature. Continue request needs to be sent until the status is COMPLETE. All the re spins are bound to the same game round.

ENDPOINT URL:

/api/games/tm/slots/continue

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameRoundId": " 5cd95f95375baf160b7ca4b0",
  "gameSkin": "lucky-tiger"
}
```

RESPONSE SAMPLE SLOTS FOR RESPIN

```
{
  "gameRoundId": "5cd95f95375baf160b7ca4b0",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "3015.00",
      "currency": "USD",
      "pretty": "$ 3015.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "3015.00",
      "currency": "USD",
      "pretty": "$ 3015.00"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 5,
  "reelStops": [
    95,
    134,
    157
```

```
  ],
  "bonusAwarded": "NONE",
  "spinPayout": 25.00,
  "totalPayout": 25.00,
  "winningCelebration": null,
  "winningLines": [
    1,
    2,
    3,
    4,
    5
  ],
  "winningLineAmounts": [
    5.00,
    5.00,
    5.00,
    5.00,
    5.00
  ],
  "symbolCounts": {
    "0": {
      "symbol": "HH",
      "count": 3,
      "symbolIndex": [
        1,
        1,
        1
      ]
    },
    "1": {
      "symbol": "HH",
      "count": 3,
      "symbolIndex": [
        0,
        0,
        0
      ]
    },
    "2": {
      "symbol": "HH",
      "count": 3,
      "symbolIndex": [
        2,
        2,
        2
      ]
    },
    "3": {
      "symbol": "HH",
      "count": 3,
      "symbolIndex": [
        0,
        1,
        2
      ]
```

```
        },
        "4": {
          "symbol": "HH",
          "count": 3,
          "symbolIndex": [
            2,
            1,
            0
          ]
        }
      },
      "expandingReels": [
        0
      ],
      "isGambleEligible": false,
      "gambleAttemptsLeft": 0,
      "symbolGrid": {
        "symbols": [
          [
            "AA",
            "HH",
            "HH"
          ],
          [
            "AA",
            "HH",
            "HH"
          ],
          [
            "AA",
            "HH",
            "HH"
          ]
        ],
        "mysteryCombination": [
          "AA",
          "HH",
          "HH",
          "1350"
        ],
        "mysteryIndex": 15608
      },
      "modifiedReels": [
        [
          1,
          0,
          0
        ],
        [
          1,
          0,
          0
        ],
        [
          1,
```

```
      0,
      0
    ]
  ],
  "lockedReels": [
    1,
    0,
    0
  ],
  "topWin": false
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
gameRoundId	*Required*	*Game Round of the triggering spin*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

LUCKY TIGER SLOTS AWARDED FREESPINS

Awarded Freespins API for Lucky Tiger which is invoked when free spins are awarded by the operator and the player freespin id is passed as part of the initialize reponse. Freespins request needs to be sent until all the all the freespins awarded are played out by the player. The last free spin response would return if there are any unfinished games pending for the player and the current game

ENDPOINT URL:

/api/games/tm/slots/freespin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "playerFreeSpinId": " 5cd95d92375baf149463638b",
  "gameSkin": "lucky-tiger"
}
```

RESPONSE SAMPLE SLOTS INTERMEDIATE AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5cd9623f375baf160b7ca4b8",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "2990.00",
      "currency": "USD",
      "pretty": "$ 2990.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "2990.00",
      "currency": "USD",
      "pretty": "$ 2990.00"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 5,
  "reelStops": [
```

```
    297,
    228,
    246
  ],
  "bonusAwarded": "NONE",
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "symbolCounts": {

  },
  "expandingReels": [

  ],
  "isGambleEligible": false,
  "gambleAttemptsLeft": 0,
  "symbolGrid": {
    "symbols": [
      [
        "EE",
        "GG",
        "CC"
      ],
      [
        "EE",
        "GG",
        "CC"
      ],
      [
        "EE",
        "GG",
        "CC"
      ]
    ],
    "mysteryCombination": [
      "EE",
      "GG",
      "CC",
      "1178"
    ],
    "mysteryIndex": 212413
  },
  "modifiedReels": [
    [
      0,
      0,
      0
    ],
    [
```

```
      0,
      0,
      0
    ],
    [
      0,
      0,
      0
    ]
  ],
  "lockedReels": [
    0,
    0,
    0
  ],
  "topWin": false
}
```

RESPONSE SAMPLE SLOTS LAST AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5cd9624c375baf160b7ca4bc",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "2990.00",
      "currency": "USD",
      "pretty": "$ 2990.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "2990.00",
      "currency": "USD",
      "pretty": "$ 2990.00"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 5,
  "reelStops": [
    326,
    0,
    270
  ],
  "bonusAwarded": "NONE",
```

```
    "spinPayout": 0.00,
    "totalPayout": 0.00,
    "winningCelebration": null,
    "winningLines": [

    ],
    "winningLineAmounts": [

    ],
    "symbolCounts": {

    },
    "expandingReels": [

    ],
    "isGambleEligible": false,
    "gambleAttemptsLeft": 0,
    "symbolGrid": {
      "symbols": [
        [
          "EE",
          "EE",
          "GG"
        ],
        [
          "EE",
          "EE",
          "GG"
        ],
        [
          "EE",
          "EE",
          "GG"
        ]
      ],
      "mysteryCombination": [
        "EE",
        "EE",
        "GG",
        "1178"
      ],
      "mysteryIndex": 201473
    },
    "modifiedReels": [
      [
        0,
        0,
        0
      ],
      [
        0,
        0,
        0
      ],
      [
```

```
       0,
       0,
       0
     ]
  ],
  "lockedReels": [
     0,
     0,
     0
  ],
  "topWin": false
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "7003",
  "description": "Invalid Player Free Spin ID"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
playerFreeSpinId	*Required*	*Player free spin id provided in initialize response*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round
7002	Invalid Player for the campaign
7003	Invalid Player Free Spin ID

HARRY'S REELS SLOTS GAME CONFIG

API to get the configuration of the slot game like reel layout, bonus configuration, symbol stake multiplier, paylines for Harry's Reels game.

ENDPOINT URL:

/api/games/hrr/slots/config?gameSkin=harry-redknapp-reels

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```json
{
  "autoSpinEnabled": false,
  "realityCheckEnabled": true,
  "depositUrl": "https://gs7.dev.markor.com/demo/index.html",
  "historyUrl": "https://gs7.dev.markor.com/demo/index.html",
  "domainName": "https://gs7.dev.markor.com/demo/index.html",
  "loginUrl": "https://gs7.dev.markor.com/demo/index.html",
  "demoPlayDepositUrl": "https://gs7.qa.markor.com/demo/index.html",
  "loader": "https://content.markor.com/content/all/images/cool-games.jpg",
  "winningCelebrations": [
    {
      "name": "bigwin",
      "stakeToWinningsRatioConsequent": 5
    },
    {
      "name": "hugewin",
      "stakeToWinningsRatioConsequent": 10
    },
    {
      "name": "gaintwin",
      "stakeToWinningsRatioConsequent": 15
    }
  ],
  "stakeConfig": {
    "USD": {
      "minStake": 0.01,
      "maxStake": 1,
      "stakeLadder": [
        0.01,
        0.02,
        0.03,
        0.5,
        1
      ]
    },
    "GBP": {
      "minStake": 0.01,
      "maxStake": 1,
      "stakeLadder": [
        0.01,
        0.02,
```

```
        1,
        2,
        3
      ]
    }
  },
  "paylineOffsets": [
    [
      1,
      1,
      1,
      1,
      1
    ],
    [
      2,
      2,
      2,
      2,
      2
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      3,
      3,
      3,
      3,
      3
    ],
    [
      1,
      2,
      3,
      2,
      1
    ],
    [
      2,
      1,
      0,
      1,
      2
    ],
    [
      0,
      0,
      1,
      2,
      3
```

```
    ],
    [
      3,
      3,
      2,
      1,
      0
    ],
    [
      1,
      0,
      0,
      0,
      1
    ],
    [
      2,
      3,
      3,
      3,
      2
    ],
    [
      0,
      1,
      2,
      3,
      3
    ],
    [
      3,
      2,
      1,
      0,
      0
    ],
    [
      1,
      0,
      1,
      2,
      1
    ],
    [
      2,
      3,
      2,
      1,
      2
    ],
    [
      0,
      1,
      0,
      1,
```

```
      0
  ],
  [
    3,
    2,
    3,
    2,
    3
  ],
  [
    1,
    2,
    1,
    0,
    1
  ],
  [
    2,
    1,
    2,
    3,
    2
  ],
  [
    0,
    1,
    1,
    1,
    0
  ],
  [
    3,
    2,
    2,
    2,
    3
  ],
  [
    1,
    1,
    2,
    3,
    3
  ],
  [
    2,
    2,
    1,
    0,
    0
  ],
  [
    1,
    1,
    0,
```

```
      1,
      1
    ],
    [
      2,
      2,
      3,
      2,
      2
    ],
    [
      1,
      2,
      2,
      2,
      3
    ],
    [
      2,
      1,
      1,
      1,
      0
    ],
    [
      0,
      0,
      1,
      0,
      0
    ],
    [
      3,
      3,
      2,
      3,
      3
    ],
    [
      0,
      1,
      2,
      2,
      3
    ],
    [
      3,
      2,
      1,
      1,
      0
    ]
  ],
  "gameConfiguration": null
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

HARRY'S REELS SLOTS INITIALIZE

API to get all the basic player details like player account balances, reality check info, custom stake settings if any configured for the player. Game Play State object is null for regular plays. But if there are unfinished games, gamePlayState is returned with the unfinished game.

ENDPOINT URL:

/api/player/slots/initialise?gameSkin= harry-redknapp-reels

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS WITH PENDING FREESPINS FOR GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "3015.00",
        "currency": "USD",
        "pretty": "$ 3015.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "3015.00",
        "currency": "USD",
        "pretty": "$ 3015.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 60,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "message": null,
    "sessionElapsedTime": 69
  },
  "gamePlayState": null,
```

```json
    "freeSpinState": {
      "playerFreeSpinId": "5cd96dbb375baf14946363bc",
      "freeSpinsRemaining": 3,
      "freeSpinsAwarded": 3,
      "totalWin": null,
      "stake": {
        "amount": "1.00",
        "currency": "USD",
        "pretty": "$ 1.00"
      },
      "noOfLines": 30,
      "pendingFreeSpinGameResponse": null
    }
}
```

RESPONSE SAMPLE SUCCESS WITH UNFINISHED GAME

```json
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "52050.00",
        "currency": "USD",
        "pretty": "$ 52050.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "52050.00",
        "currency": "USD",
        "pretty": "$ 52050.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 60,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "message": null,
    "sessionElapsedTime": 79
  },
  "gamePlayState": {
    "gameRoundId": "5cd97007375baf160b7ca51b",
```

```
    "gameRoundState": null,
    "status": "IN_PROGRESS",
    "gameResponse": {
      "gameRoundId": "5cd97007375baf160b7ca51b",
      "status": "IN_PROGRESS",
      "balance": {
        "cashBalance": {
          "amount": "52050.00",
          "currency": "USD",
          "pretty": "$ 52050.00"
        },
        "bonusBalance": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "$ 0.00"
        },
        "totalBalance": {
          "amount": "52050.00",
          "currency": "USD",
          "pretty": "$ 52050.00"
        },
        "playerWithhold": null
      },
      "demoPlay": false,
      "stakePerLine": {
        "amount": "1.00",
        "currency": "USD",
        "pretty": "$ 1.00"
      },
      "stakeAmount": null,
      "numberOfLines": 30,
      "symbolGrid": {
        "symbols": [
          [
            "HIGH_1",
            "HIGH_2",
            "QUEEN",
            "JACK",
            "TEN"
          ],
          [
            "HIGH_1",
            "HIGH_3",
            "ACE",
            "HIGH_3",
            "HIGH_4"
          ],
          [
            "HIGH_1",
            "HIGH_3",
            "TEN",
            "KING",
            "ACE"
          ],
          [
```

```
                "HIGH_1",
                "JACK",
                "ACE",
                "ACE",
                "TEN"
            ]
        ]
    },
    "freeSpinsRemaining": 0,
    "freeSpinsWon": 0,
    "bonusAwarded": "HOLD_AND_SPIN",
    "spinPayout": 0.00,
    "totalPayout": 0.00,
    "winningCelebration": null,
    "winningLines": [

    ],
    "winningLineAmounts": [

    ],
    "freeSpinState": null,
    "unfinishedGame": null,
    "messages": null,
    "symbolCounts": {

    },
    "modifiedReelGrid": [
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ]
```

```
        ],
        "lockedReels": [
          [
            1,
            0,
            0,
            0,
            0
          ],
          [
            1,
            0,
            0,
            0,
            0
          ],
          [
            1,
            0,
            0,
            0,
            0
          ],
          [
            1,
            0,
            0,
            0,
            0
          ]
        ],
        "lockedPositions": 0,
        "freeSpinBonusPick": null
      }
    },
    "freeSpinState": null
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

HARRY'S REELS SLOTS SPIN

API to trigger the spin for Harry's Reels slots game. For Regular Spin, status is returned as COMPLETE with winning pay lines and amount. When re spins are won, status is returned as IN_PROGRESS. Subsequent request for re spin should be a "CONTINUE" until the status is COMPLETE.

ENDPOINT URL:

/api/games/hrr/slots/spin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameSkin": "harry-redknapp-reels",
  "stake": {
    "currency": "USD",
    "amount": 0.1
  },
  "numberOfLines": 30
}
```

RESPONSE SAMPLE SUCCESS

```
{
  "gameRoundId": "5cd96f6e375baf160b7ca516",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "52050.00",
      "currency": "USD",
      "pretty": "$ 52050.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "52050.00",
      "currency": "USD",
      "pretty": "$ 52050.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
```

```json
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
      [
        "QUEEN",
        "HIGH_4",
        "HIGH_1",
        "QUEEN",
        "JACK"
      ],
      [
        "TEN",
        "HIGH_1",
        "HIGH_2",
        "HIGH_4",
        "QUEEN"
      ],
      [
        "FREE_SPIN_SCATTER",
        "QUEEN",
        "ACE",
        "KING",
        "HIGH_3"
      ],
      [
        "JACK",
        "TEN",
        "HIGH_1",
        "QUEEN",
        "TEN"
      ]
    ]
  },
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "freeSpinState": null,
  "unfinishedGame": null,
  "messages": null,
  "symbolCounts": {

  },
  "modifiedReelGrid": [
    [
      0,
      0,
```

```
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ]
      ],
      "lockedReels": [
        [
          0,
          0,
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ],
        [
          0,
          0,
          0,
          0,
          0
        ]
```

```
  ],
  "lockedPositions": 0,
  "freeSpinBonusPick": null
}
```

RESPONSE SAMPLE SUCCESS WITH HOLD AND SPIN

```
{
  "gameRoundId": "5cd97007375baf160b7ca51b",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "52050.00",
      "currency": "USD",
      "pretty": "$ 52050.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "52050.00",
      "currency": "USD",
      "pretty": "$ 52050.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
      [
        "HIGH_1",
        "HIGH_2",
        "QUEEN",
        "JACK",
        "TEN"
      ],
      [
        "HIGH_1",
        "HIGH_3",
        "ACE",
        "HIGH_3",
        "HIGH_4"
      ],
      [
        "HIGH_1",
        "HIGH_3",
        "TEN",
```

```
        "KING",
        "ACE"
      ],
      [
        "HIGH_1",
        "JACK",
        "ACE",
        "ACE",
        "TEN"
      ]
    ]
  },
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "HOLD_AND_SPIN",
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "freeSpinState": null,
  "unfinishedGame": null,
  "messages": null,
  "symbolCounts": {

  },
  "modifiedReelGrid": [
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
```

```
      0,
      0,
      0
    ]
  ],
  "lockedReels": [
    [
      1,
      0,
      0,
      0,
      0
    ],
    [
      1,
      0,
      0,
      0,
      0
    ],
    [
      1,
      0,
      0,
      0,
      0
    ],
    [
      1,
      0,
      0,
      0,
      0
    ]
  ],
  "lockedPositions": 0,
  "freeSpinBonusPick": null
}
```

RESPONSE SAMPLE SUCCESS WITH STACKED WILDS

```
{
  "gameRoundId": "5cd96f29375baf160b7ca513",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "52040.00",
      "currency": "USD",
      "pretty": "$ 52040.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
```

```
      "amount": "52040.00",
      "currency": "USD",
      "pretty": "$ 52040.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
      [
        "HIGH_1",
        "WILD",
        "TEN",
        "TEN",
        "TEN"
      ],
      [
        "HIGH_2",
        "HIGH_2",
        "WILD",
        "WILD",
        "WILD"
      ],
      [
        "HIGH_3",
        "HIGH_3",
        "HIGH_2",
        "HIGH_2",
        "HIGH_2"
      ],
      [
        "HIGH_4",
        "HIGH_4",
        "HIGH_3",
        "HIGH_3",
        "HIGH_3"
      ]
    ]
  },
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "STACKED_WILDS",
  "spinPayout": 3960.00,
  "totalPayout": 3960.00,
  "winningCelebration": "gaintwin",
  "winningLines": [
    1,
    2,
```

```
      3,
      4,
      5,
      6,
      7,
      8,
      9,
     10,
     11,
     12,
     13,
     14,
     15,
     16,
     17,
     18,
     19,
     20,
     21,
     22,
     23,
     24,
     25,
     26,
     27,
     28,
     29,
     30
   ],
   "winningLineAmounts": [
    250.00,
     20.00,
     40.00,
     15.00,
    250.00,
    200.00,
     40.00,
    150.00,
     25.00,
    200.00,
     40.00,
     15.00,
    250.00,
    200.00,
    500.00,
     15.00,
     25.00,
    200.00,
    500.00,
     15.00,
     25.00,
     20.00,
    250.00,
     20.00,
    250.00,
```

```
      200.00,
      40.00,
      15.00,
      40.00,
      150.00
    ],
    "freeSpinState": null,
    "unfinishedGame": null,
    "messages": null,
    "symbolCounts": {
      "0": {
        "symbol": "HIGH_2",
        "count": 5,
        "symbolIndex": [
          1,
          1,
          1,
          1,
          1
        ]
      },
      "1": {
        "symbol": "HIGH_3",
        "count": 3,
        "symbolIndex": [
          2,
          2,
          2
        ]
      },
      "2": {
        "symbol": "HIGH_1",
        "count": 3,
        "symbolIndex": [
          0,
          0,
          0
        ]
      },
      "3": {
        "symbol": "HIGH_4",
        "count": 3,
        "symbolIndex": [
          3,
          3,
          3
        ]
      },
      "4": {
        "symbol": "HIGH_2",
        "count": 5,
        "symbolIndex": [
          1,
          2,
          3,
```

```json
      2,
      1
    ]
  },
  "5": {
    "symbol": "HIGH_3",
    "count": 5,
    "symbolIndex": [
      2,
      1,
      0,
      1,
      2
    ]
  },
  "6": {
    "symbol": "HIGH_1",
    "count": 3,
    "symbolIndex": [
      0,
      0,
      1
    ]
  },
  "7": {
    "symbol": "HIGH_4",
    "count": 5,
    "symbolIndex": [
      3,
      3,
      2,
      1,
      0
    ]
  },
  "8": {
    "symbol": "HIGH_2",
    "count": 3,
    "symbolIndex": [
      1,
      0,
      0
    ]
  },
  "9": {
    "symbol": "HIGH_3",
    "count": 5,
    "symbolIndex": [
      2,
      3,
      3,
      3,
      2
    ]
  },
```

```json
    "10": {
      "symbol": "HIGH_1",
      "count": 3,
      "symbolIndex": [
        0,
        1,
        2
      ]
    },
    "11": {
      "symbol": "HIGH_4",
      "count": 3,
      "symbolIndex": [
        3,
        2,
        1
      ]
    },
    "12": {
      "symbol": "HIGH_2",
      "count": 5,
      "symbolIndex": [
        1,
        0,
        1,
        2,
        1
      ]
    },
    "13": {
      "symbol": "HIGH_3",
      "count": 5,
      "symbolIndex": [
        2,
        3,
        2,
        1,
        2
      ]
    },
    "14": {
      "symbol": "HIGH_1",
      "count": 5,
      "symbolIndex": [
        0,
        1,
        0,
        1,
        0
      ]
    },
    "15": {
      "symbol": "HIGH_4",
      "count": 3,
      "symbolIndex": [
```

```
        3,
        2,
        3
      ]
    },
    "16": {
      "symbol": "HIGH_2",
      "count": 3,
      "symbolIndex": [
        1,
        2,
        1
      ]
    },
    "17": {
      "symbol": "HIGH_3",
      "count": 5,
      "symbolIndex": [
        2,
        1,
        2,
        3,
        2
      ]
    },
    "18": {
      "symbol": "HIGH_1",
      "count": 5,
      "symbolIndex": [
        0,
        1,
        1,
        1,
        0
      ]
    },
    "19": {
      "symbol": "HIGH_4",
      "count": 3,
      "symbolIndex": [
        3,
        2,
        2
      ]
    },
    "20": {
      "symbol": "HIGH_2",
      "count": 3,
      "symbolIndex": [
        1,
        1,
        2
      ]
    },
    "21": {
```

```json
      "symbol": "HIGH_3",
      "count": 3,
      "symbolIndex": [
        2,
        2,
        1
      ]
    },
    "22": {
      "symbol": "HIGH_2",
      "count": 5,
      "symbolIndex": [
        1,
        1,
        0,
        1,
        1
      ]
    },
    "23": {
      "symbol": "HIGH_3",
      "count": 3,
      "symbolIndex": [
        2,
        2,
        3
      ]
    },
    "24": {
      "symbol": "HIGH_2",
      "count": 5,
      "symbolIndex": [
        1,
        2,
        2,
        2,
        3
      ]
    },
    "25": {
      "symbol": "HIGH_3",
      "count": 5,
      "symbolIndex": [
        2,
        1,
        1,
        1,
        0
      ]
    },
    "26": {
      "symbol": "HIGH_1",
      "count": 3,
      "symbolIndex": [
        0,
```

```
        0,
        1
      ]
    },
    "27": {
      "symbol": "HIGH_4",
      "count": 3,
      "symbolIndex": [
        3,
        3,
        2
      ]
    },
    "28": {
      "symbol": "HIGH_1",
      "count": 3,
      "symbolIndex": [
        0,
        1,
        2
      ]
    },
    "29": {
      "symbol": "HIGH_4",
      "count": 5,
      "symbolIndex": [
        3,
        2,
        1,
        1,
        0
      ]
    }
  },
  "modifiedReelGrid": [
    [
      0,
      1,
      1,
      0,
      1
    ],
    [
      0,
      1,
      1,
      0,
      1
    ],
    [
      0,
      1,
      1,
      0,
      1
```

```json
    ],
    [
      0,
      1,
      1,
      0,
      1
    ]
  ],
  "lockedReels": [
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ]
  ],
  "lockedPositions": 0,
  "freeSpinBonusPick": null
}
```

RESPONSE SAMPLE SUCCESS WITH CONTAGIOUS WILDS

```json
{
  "gameRoundId": "5cd96f4f375baf160b7ca515",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "52080.00",
      "currency": "USD",
      "pretty": "$ 52080.00"
    },
    "bonusBalance": {
      "amount": "0.00",
```

```
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "52080.00",
      "currency": "USD",
      "pretty": "$ 52080.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
      [
        "KING",
        "CONTAGIOUS_WILD_SCATTER",
        "QUEEN",
        "HIGH_4",
        "ACE"
      ],
      [
        "HIGH_2",
        "WILD",
        "HIGH_1",
        "ACE",
        "HIGH_4"
      ],
      [
        "TEN",
        "HIGH_4",
        "TEN",
        "QUEEN",
        "ACE"
      ],
      [
        "JACK",
        "HIGH_2",
        "QUEEN",
        "HIGH_2",
        "QUEEN"
      ]
    ]
  },
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "CONTAGIOUS_WILDS",
  "spinPayout": 50.00,
  "totalPayout": 50.00,
```

```
"winningCelebration": null,
"winningLines": [
  18
],
"winningLineAmounts": [
  50.00
],
"freeSpinState": null,
"unfinishedGame": null,
"messages": null,
"symbolCounts": {
  "0": {
    "symbol": "TEN",
    "count": 5,
    "symbolIndex": [
      2,
      1,
      2,
      3,
      2
    ]
  }
},
"modifiedReelGrid": [
  [
    0,
    0,
    0,
    1,
    1
  ],
  [
    0,
    0,
    0,
    1,
    0
  ],
  [
    0,
    0,
    0,
    1,
    1
  ],
  [
    0,
    0,
    0,
    1,
    1
  ]
],
"lockedReels": [
  [
```

```
            0,
            0,
            0,
            0,
            0
        ],
        [
            0,
            0,
            0,
            0,
            0
        ],
        [
            0,
            0,
            0,
            0,
            0
        ],
        [
            0,
            0,
            0,
            0,
            0
        ]
    ],
    "lockedPositions": 0,
    "freeSpinBonusPick": null
}
```

RESPONSE SAMPLE SUCCESS WITH EXTRA RANDOM WILDS

```
{
    "gameRoundId": "5cd971c9375baf160b7ca51d",
    "status": "COMPLETE",
    "balance": {
        "cashBalance": {
            "amount": "52895.00",
            "currency": "USD",
            "pretty": "$ 52895.00"
        },
        "bonusBalance": {
            "amount": "0.00",
            "currency": "USD",
            "pretty": "$ 0.00"
        },
        "totalBalance": {
            "amount": "52895.00",
            "currency": "USD",
            "pretty": "$ 52895.00"
        },
        "playerWithhold": null
    },
    "demoPlay": false,
```

```json
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
      [
        "HIGH_2",
        "HIGH_3",
        "HIGH_4",
        "HIGH_4",
        "ACE"
      ],
      [
        "HIGH_3",
        "HIGH_4",
        "ACE",
        "ACE",
        "WILD_2X"
      ],
      [
        "HIGH_4",
        "ACE",
        "WILD_2X",
        "WILD_2X",
        "KING"
      ],
      [
        "ACE",
        "WILD_2X",
        "KING",
        "KING",
        "QUEEN"
      ]
    ]
  },
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "EXTRA_RANDOM_WILDS",
  "spinPayout": 905.00,
  "totalPayout": 905.00,
  "winningCelebration": "gaintwin",
  "winningLines": [
    6,
    8,
    12,
    13,
    14,
    18,
    20,
    26,
    28,
```

```
        30
      ],
      "winningLineAmounts": [
        15.00,
        200.00,
        10.00,
        400.00,
        30.00,
        15.00,
        100.00,
        15.00,
        20.00,
        100.00
      ],
      "freeSpinState": null,
      "unfinishedGame": null,
      "messages": null,
      "symbolCounts": {
        "0": {
          "symbol": "HIGH_4",
          "count": 3,
          "symbolIndex": [
            2,
            1,
            0
          ]
        },
        "1": {
          "symbol": "ACE",
          "count": 5,
          "symbolIndex": [
            3,
            3,
            2,
            1,
            0
          ]
        },
        "2": {
          "symbol": "ACE",
          "count": 3,
          "symbolIndex": [
            3,
            2,
            1
          ]
        },
        "3": {
          "symbol": "HIGH_3",
          "count": 5,
          "symbolIndex": [
            1,
            0,
            1,
            2,
```

```
        1
      ]
    },
    "4": {
      "symbol": "HIGH_4",
      "count": 3,
      "symbolIndex": [
        2,
        3,
        2
      ]
    },
    "5": {
      "symbol": "HIGH_4",
      "count": 3,
      "symbolIndex": [
        2,
        1,
        2
      ]
    },
    "6": {
      "symbol": "ACE",
      "count": 5,
      "symbolIndex": [
        3,
        2,
        2,
        2,
        3
      ]
    },
    "7": {
      "symbol": "HIGH_4",
      "count": 3,
      "symbolIndex": [
        2,
        1,
        1
      ]
    },
    "8": {
      "symbol": "ACE",
      "count": 3,
      "symbolIndex": [
        3,
        3,
        2
      ]
    },
    "9": {
      "symbol": "ACE",
      "count": 5,
      "symbolIndex": [
        3,
```

```
                2,
                1,
                1,
                0
            ]
        }
    },
    "modifiedReelGrid": [
        [
            0,
            0,
            0,
            0,
            1
        ],
        [
            0,
            0,
            1,
            0,
            0
        ],
        [
            0,
            0,
            1,
            1,
            0
        ],
        [
            0,
            0,
            0,
            0,
            1
        ]
    ],
    "lockedReels": [
        [
            0,
            0,
            0,
            0,
            0
        ],
        [
            0,
            0,
            0,
            0,
            0
        ],
        [
            0,
            0,
```

```
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ]
    ],
    "lockedPositions": 0,
    "freeSpinBonusPick": null
}
```

RESPONSE SAMPLE SUCCESS RANDOM FREESPINS

```
{
    "gameRoundId": "5cd971f6375baf160b7ca51e",
    "status": "IN_PROGRESS",
    "balance": {
      "cashBalance": {
        "amount": "52865.00",
        "currency": "USD",
        "pretty": "$ 52865.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "52865.00",
        "currency": "USD",
        "pretty": "$ 52865.00"
      },
      "playerWithhold": null
    },
    "demoPlay": false,
    "stakePerLine": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "$ 1.00"
    },
    "stakeAmount": null,
    "numberOfLines": 30,
    "symbolGrid": {
      "symbols": [
        [
          "HIGH_1",
          "KING",
          "TEN",
          "JACK",
          "QUEEN"
        ],
```

```
        [
          "TEN",
          "HIGH_4",
          "QUEEN",
          "HIGH_3",
          "ACE"
        ],
        [
          "JACK",
          "HIGH_2",
          "WILD",
          "KING",
          "TEN"
        ],
        [
          "QUEEN",
          "HIGH_1",
          "TEN",
          "ACE",
          "QUEEN"
        ]
      ]
    ]
  },
  "freeSpinsRemaining": 20,
  "freeSpinsWon": 20,
  "bonusAwarded": "FREE_SPIN",
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "freeSpinState": null,
  "unfinishedGame": null,
  "messages": null,
  "symbolCounts": {

  },
  "modifiedReelGrid": [
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
```

```
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ]
    ],
    "lockedReels": [
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ]
    ],
    "lockedPositions": 0,
    "freeSpinBonusPick": "PICNIC_FREE_SPINS"
}
```

RESPONSE SAMPLE SUCCESS WITH FREESPIN NEAR MISS

```json
{
  "gameRoundId": "5cd9730b375baf160b7ca523",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "55052.00",
      "currency": "USD",
      "pretty": "$ 55052.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "55052.00",
      "currency": "USD",
      "pretty": "$ 55052.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
      [
        "FREE_SPIN_SCATTER",
        "KING",
        "FREE_SPIN_SCATTER",
        "KING",
        "KING"
      ],
      [
        "JACK",
        "HIGH_4",
        "JACK",
        "HIGH_4",
        "JACK"
      ],
      [
        "QUEEN",
        "HIGH_2",
        "QUEEN",
        "HIGH_2",
        "QUEEN"
      ],
      [
        "TEN",
```

```
            "HIGH_1",
            "TEN",
            "HIGH_1",
            "TEN"
        ]
    ]
},
"freeSpinsRemaining": 0,
"freeSpinsWon": 0,
"bonusAwarded": "FREE_SPIN_NEAR_MISS",
"spinPayout": 0.00,
"totalPayout": 0.00,
"winningCelebration": null,
"winningLines": [

],
"winningLineAmounts": [

],
"freeSpinState": null,
"unfinishedGame": null,
"messages": null,
"symbolCounts": {

},
"modifiedReelGrid": [
    [
        0,
        0,
        0,
        0,
        0
    ],
    [
        0,
        0,
        0,
        0,
        0
    ],
    [
        0,
        0,
        0,
        0,
        0
    ],
    [
        0,
        0,
        0,
        0,
        0
    ]
],
```

```
  "lockedReels": [
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ]
  ],
  "lockedPositions": 0,
  "freeSpinBonusPick": null
}
```

RESPONSE SAMPLE SUCCESS WITH PICNIC FREESPINS

```
{
  "gameRoundId": "5cd971f6375baf160b7ca51e",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "52865.00",
      "currency": "USD",
      "pretty": "$ 52865.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "52865.00",
      "currency": "USD",
      "pretty": "$ 52865.00"
    },
    "playerWithhold": null
```

```
    },
    "demoPlay": false,
    "stakePerLine": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "$ 1.00"
    },
    "stakeAmount": null,
    "numberOfLines": 30,
    "symbolGrid": {
      "symbols": [
        [
          "HIGH_1",
          "KING",
          "TEN",
          "JACK",
          "QUEEN"
        ],
        [
          "TEN",
          "HIGH_4",
          "QUEEN",
          "HIGH_3",
          "ACE"
        ],
        [
          "JACK",
          "HIGH_2",
          "WILD",
          "KING",
          "TEN"
        ],
        [
          "QUEEN",
          "HIGH_1",
          "TEN",
          "ACE",
          "QUEEN"
        ]
      ]
    },
    "freeSpinsRemaining": 20,
    "freeSpinsWon": 20,
    "bonusAwarded": "FREE_SPIN",
    "spinPayout": 0.00,
    "totalPayout": 0.00,
    "winningCelebration": null,
    "winningLines": [

    ],
    "winningLineAmounts": [

    ],
    "freeSpinState": null,
    "unfinishedGame": null,
```

```
"messages": null,
"symbolCounts": {

},
"modifiedReelGrid": [
  [
    0,
    0,
    0,
    0,
    0
  ],
  [
    0,
    0,
    0,
    0,
    0
  ],
  [
    0,
    0,
    0,
    0,
    0
  ],
  [
    0,
    0,
    0,
    0,
    0
  ]
],
"lockedReels": [
  [
    0,
    0,
    0,
    0,
    0
  ],
  [
    0,
    0,
    0,
    0,
    0
  ],
  [
    0,
    0,
    0,
    0,
    0
```

```
    ],
    [
      0,
      0,
      0,
      0,
      0
    ]
  ],
  "lockedPositions": 0,
  "freeSpinBonusPick": "PICNIC_FREE_SPINS"
}
```

RESPONSE SAMPLE SUCCESS WITH FISHING FREESPINS

```
{
  "gameRoundId": "5cd9733b375baf160b7ca524",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "55022.00",
      "currency": "USD",
      "pretty": "$ 55022.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "55022.00",
      "currency": "USD",
      "pretty": "$ 55022.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
      [
        "HIGH_3",
        "HIGH_3",
        "HIGH_3",
        "HIGH_3",
        "HIGH_3"
      ],
      [
        "HIGH_4",
        "HIGH_4",
```

```
        "HIGH_4",
        "HIGH_4",
        "HIGH_4"
      ],
      [
        "HIGH_2",
        "ACE",
        "ACE",
        "ACE",
        "ACE"
      ],
      [
        "HIGH_1",
        "TEN",
        "TEN",
        "TEN",
        "TEN"
      ]
    ]
  },
  "freeSpinsRemaining": 5,
  "freeSpinsWon": 5,
  "bonusAwarded": "FREE_SPIN",
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "freeSpinState": null,
  "unfinishedGame": null,
  "messages": null,
  "symbolCounts": {

  },
  "modifiedReelGrid": [
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
```

```
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ]
    ],
  "lockedReels": [
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ]
    ],
  "lockedPositions": 0,
  "freeSpinBonusPick": "FISHING_FREE_SPINS"
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
stake- currency, amount	*Required*	*Bet Amount and currency*
numberOfLines	*Required*	*Number of lines bet on (30 for Harry's Reels)*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

HARRY'S REELS SLOTS FREESPIN CONTINUE

Freespin API which is invoked when free spins are won in the freespin feature. Continue request needs to be sent until the status is COMPLETE. All the free spins are bound to the same game round.

ENDPOINT URL:

/api/games/hrr/slots/continue

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameRoundId": " 5cd95f95375baf160b7ca4b0",
  "gameSkin": "harry-redknapp-reels"
}
```

RESPONSE SAMPLE SLOTS FOR PICNIC FREESPINS

```
{
  "gameRoundId": "5cd971f6375baf160b7ca51e",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "52865.00",
      "currency": "USD",
      "pretty": "$ 52865.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "52865.00",
      "currency": "USD",
      "pretty": "$ 52865.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
      [
        "QUEEN",
        "ACE",
```

```
        "KING",
        "ACE",
        "HIGH_4"
      ],
      [
        "JACK",
        "TEN",
        "TEN",
        "TEN",
        "ACE"
      ],
      [
        "TEN",
        "KING",
        "ACE",
        "QUEEN",
        "HIGH_1"
      ],
      [
        "HIGH_1",
        "QUEEN",
        "JACK",
        "HIGH_4",
        "TEN"
      ]
    ]
  },
  "freeSpinsRemaining": 19,
  "freeSpinsWon": 0,
  "bonusAwarded": "PICNIC_FREE_SPINS",
  "spinPayout": 15.00,
  "totalPayout": 15.00,
  "winningCelebration": null,
  "winningLines": [
    26
  ],
  "winningLineAmounts": [
    15.00
  ],
  "freeSpinState": null,
  "unfinishedGame": null,
  "messages": null,
  "symbolCounts": {
    "0": {
      "symbol": "TEN",
      "count": 4,
      "symbolIndex": [
        2,
        1,
        1,
        1
      ]
    }
  },
  "modifiedReelGrid": [
```

```
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ]
    ],
    "lockedReels": [
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
        0,
        0
      ],
      [
        0,
        0,
        0,
```

```
      0,
      0
    ]
  ],
  "lockedPositions": 0,
  "freeSpinBonusPick": "PICNIC_FREE_SPINS"
}
```

RESPONSE SAMPLE SLOTS FOR FISHING FREESPINS

```
{
  "gameRoundId": "5cd9733b375baf160b7ca524",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "55022.00",
      "currency": "USD",
      "pretty": "$ 55022.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "55022.00",
      "currency": "USD",
      "pretty": "$ 55022.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
      [
        "HIGH_4",
        "ACE",
        "HIGH_3",
        "KING",
        "KING"
      ],
      [
        "KING",
        "JACK",
        "HIGH_4",
        "QUEEN",
        "JACK"
      ],
      [
```

```
            "HIGH_3",
            "QUEEN",
            "JACK",
            "TEN",
            "HIGH_3"
        ],
        [
            "HIGH_1",
            "HIGH_2",
            "HIGH_2",
            "JACK",
            "HIGH_4"
        ]
    ]
},
"freeSpinsRemaining": 1,
"freeSpinsWon": 0,
"bonusAwarded": "FISHING_FREE_SPINS",
"spinPayout": 0.00,
"totalPayout": 25.00,
"winningCelebration": null,
"winningLines": [

],
"winningLineAmounts": [

],
"freeSpinState": null,
"unfinishedGame": null,
"messages": null,
"symbolCounts": {

},
"modifiedReelGrid": [
    [
        0,
        0,
        0,
        0,
        0
    ],
    [
        0,
        0,
        0,
        0,
        0
    ],
    [
        0,
        0,
        0,
        0,
        0
    ],
```

```
      [
        0,
        0,
        0,
        0,
        0
      ]
    ],
    "lockedReels": [
      [
        0,
        1,
        0,
        1,
        0
      ],
      [
        0,
        1,
        1,
        1,
        0
      ],
      [
        0,
        0,
        1,
        1,
        0
      ],
      [
        0,
        1,
        1,
        0,
        0
      ]
    ],
    "lockedPositions": 0,
    "freeSpinBonusPick": "FISHING_FREE_SPINS"
}
```

RESPONSE SAMPLE FAILURE

```
{
    "code": "2001",
    "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
gameRoundId	*Required*	*Game Round of the triggering spin*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

HARRY'S REELS SLOTS AWARDED FREESPINS

Awarded Freespins API for Harry's Reels which is invoked when free spins are awarded by the operator and the player freespin id is passed as part of the initialize reponse. Freespins request needs to be sent until all the all the freespins awarded are played out by the player. The last free spin response would return if there are any unfinished games pending for the player and the current game

ENDPOINT URL:

/api/games/hrr/slots/freespin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "playerFreeSpinId": " 5cd95d92375baf149463638b",
  "gameSkin": "harry-redknapp-reels"
}
```

RESPONSE SAMPLE SLOTS INTERMEDIATE AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5cd96e05375baf160b7ca500",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "4690.00",
      "currency": "USD",
      "pretty": "$ 4690.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "4690.00",
      "currency": "USD",
      "pretty": "$ 4690.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
```

```
      [
        "HIGH_2",
        "HIGH_2",
        "HIGH_2",
        "HIGH_2",
        "HIGH_2"
      ],
      [
        "HIGH_3",
        "HIGH_3",
        "HIGH_3",
        "HIGH_3",
        "HIGH_3"
      ],
      [
        "HIGH_4",
        "HIGH_4",
        "HIGH_4",
        "HIGH_4",
        "HIGH_4"
      ],
      [
        "ACE",
        "ACE",
        "ACE",
        "ACE",
        "ACE"
      ]
    ]
  },
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "STACKED_WILDS",
  "spinPayout": 1675.00,
  "totalPayout": 1675.00,
  "winningCelebration": "gaintwin",
  "winningLines": [
    1,
    2,
    3,
    4,
    7,
    8,
    21,
    22,
    23,
    24,
    27,
    28
  ],
  "winningLineAmounts": [
    200.00,
    150.00,
    250.00,
    100.00,
```

```
      100.00,
      35.00,
      80.00,
      60.00,
      200.00,
      150.00,
      250.00,
      100.00
    ],
    "freeSpinState": {
      "playerFreeSpinId": "5cd96dbb375baf14946363bc",
      "freeSpinsRemaining": 2,
      "freeSpinsAwarded": 3,
      "totalWin": {
        "amount": "1675.00",
        "currency": "USD",
        "pretty": "$ 1675.00"
      },
      "stake": {
        "amount": "1.00",
        "currency": "USD",
        "pretty": "$ 1.00"
      },
      "noOfLines": 30,
      "pendingFreeSpinGameResponse": null
    },
    "unfinishedGame": null,
    "messages": null,
    "symbolCounts": {
      "0": {
        "symbol": "HIGH_3",
        "count": 5,
        "symbolIndex": [
          1,
          1,
          1,
          1,
          1
        ]
      },
      "1": {
        "symbol": "HIGH_4",
        "count": 5,
        "symbolIndex": [
          2,
          2,
          2,
          2,
          2
        ]
      },
      "2": {
        "symbol": "HIGH_2",
        "count": 5,
        "symbolIndex": [
```

```
          0,
          0,
          0,
          0,
          0
      ]
    },
    "3": {
      "symbol": "ACE",
      "count": 5,
      "symbolIndex": [
          3,
          3,
          3,
          3,
          3
      ]
    },
    "4": {
      "symbol": "HIGH_2",
      "count": 4,
      "symbolIndex": [
          0,
          0,
          1,
          2
      ]
    },
    "5": {
      "symbol": "ACE",
      "count": 4,
      "symbolIndex": [
          3,
          3,
          2,
          1
      ]
    },
    "6": {
      "symbol": "HIGH_3",
      "count": 4,
      "symbolIndex": [
          1,
          1,
          2,
          3
      ]
    },
    "7": {
      "symbol": "HIGH_4",
      "count": 4,
      "symbolIndex": [
          2,
          2,
          1,
```

```
          0
      ]
    },
    "8": {
      "symbol": "HIGH_3",
      "count": 5,
      "symbolIndex": [
        1,
        1,
        0,
        1,
        1
      ]
    },
    "9": {
      "symbol": "HIGH_4",
      "count": 5,
      "symbolIndex": [
        2,
        2,
        3,
        2,
        2
      ]
    },
    "10": {
      "symbol": "HIGH_2",
      "count": 5,
      "symbolIndex": [
        0,
        0,
        1,
        0,
        0
      ]
    },
    "11": {
      "symbol": "ACE",
      "count": 5,
      "symbolIndex": [
        3,
        3,
        2,
        3,
        3
      ]
    }
  },
  "modifiedReelGrid": [
    [
      0,
      0,
      1,
      1,
      0
```

```
          ],
          [
            0,
            0,
            1,
            1,
            0
          ],
          [
            0,
            0,
            1,
            1,
            0
          ],
          [
            0,
            0,
            1,
            1,
            0
          ]
        ],
        "lockedReels": [
          [
            0,
            0,
            0,
            0,
            0
          ],
          [
            0,
            0,
            0,
            0,
            0
          ],
          [
            0,
            0,
            0,
            0,
            0
          ],
          [
            0,
            0,
            0,
            0,
            0
          ]
        ],
        "lockedPositions": 0,
        "freeSpinBonusPick": null
```

```
}
```

RESPONSE SAMPLE SLOTS LAST AWARDED FREE SPIN SUCCESS

```json
{
  "gameRoundId": "5cd96e08375baf160b7ca502",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "8190.00",
      "currency": "USD",
      "pretty": "$ 8190.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "8190.00",
      "currency": "USD",
      "pretty": "$ 8190.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 30,
  "symbolGrid": {
    "symbols": [
      [
        "HIGH_2",
        "HIGH_2",
        "HIGH_2",
        "HIGH_2",
        "HIGH_2"
      ],
      [
        "HIGH_3",
        "HIGH_3",
        "HIGH_3",
        "HIGH_3",
        "HIGH_3"
      ],
      [
        "HIGH_4",
        "HIGH_4",
        "HIGH_4",
        "HIGH_4",
        "HIGH_4"
      ],
```

```
      [
        "ACE",
        "ACE",
        "ACE",
        "ACE",
        "ACE"
      ]
    ]
  },
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "STACKED_WILDS",
  "spinPayout": 1750.00,
  "totalPayout": 1750.00,
  "winningCelebration": "gaintwin",
  "winningLines": [
    1,
    2,
    3,
    4,
    13,
    14,
    15,
    16,
    17,
    18
  ],
  "winningLineAmounts": [
    200.00,
    150.00,
    250.00,
    100.00,
    200.00,
    150.00,
    250.00,
    100.00,
    200.00,
    150.00
  ],
  "freeSpinState": {
    "playerFreeSpinId": "5cd96dbb375baf14946363bc",
    "freeSpinsRemaining": 0,
    "freeSpinsAwarded": 3,
    "totalWin": {
      "amount": "5175.00",
      "currency": "USD",
      "pretty": "$ 5175.00"
    },
    "stake": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "$ 1.00"
    },
    "noOfLines": 30,
    "pendingFreeSpinGameResponse": null
```

```
    },
    "unfinishedGame": null,
    "messages": null,
    "symbolCounts": {
      "0": {
        "symbol": "HIGH_3",
        "count": 5,
        "symbolIndex": [
          1,
          1,
          1,
          1,
          1
        ]
      },
      "1": {
        "symbol": "HIGH_4",
        "count": 5,
        "symbolIndex": [
          2,
          2,
          2,
          2,
          2
        ]
      },
      "2": {
        "symbol": "HIGH_2",
        "count": 5,
        "symbolIndex": [
          0,
          0,
          0,
          0,
          0
        ]
      },
      "3": {
        "symbol": "ACE",
        "count": 5,
        "symbolIndex": [
          3,
          3,
          3,
          3,
          3
        ]
      },
      "4": {
        "symbol": "HIGH_3",
        "count": 5,
        "symbolIndex": [
          1,
          0,
          1,
```

```json
        2,
        1
      ]
    },
    "5": {
      "symbol": "HIGH_4",
      "count": 5,
      "symbolIndex": [
        2,
        3,
        2,
        1,
        2
      ]
    },
    "6": {
      "symbol": "HIGH_2",
      "count": 5,
      "symbolIndex": [
        0,
        1,
        0,
        1,
        0
      ]
    },
    "7": {
      "symbol": "ACE",
      "count": 5,
      "symbolIndex": [
        3,
        2,
        3,
        2,
        3
      ]
    },
    "8": {
      "symbol": "HIGH_3",
      "count": 5,
      "symbolIndex": [
        1,
        2,
        1,
        0,
        1
      ]
    },
    "9": {
      "symbol": "HIGH_4",
      "count": 5,
      "symbolIndex": [
        2,
        1,
        2,
```

```
          3,
          2
      ]
    }
  },
  "modifiedReelGrid": [
    [
      0,
      1,
      0,
      1,
      0
    ],
    [
      0,
      1,
      0,
      1,
      0
    ],
    [
      0,
      1,
      0,
      1,
      0
    ],
    [
      0,
      1,
      0,
      1,
      0
    ]
  ],
  "lockedReels": [
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      0,
      0,
      0,
      0,
```

```
      0
    ],
    [
      0,
      0,
      0,
      0,
      0
    ]
  ],
  "lockedPositions": 0,
  "freeSpinBonusPick": null
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "7003",
  "description": "Invalid Player Free Spin ID"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
playerFreeSpinId	*Required*	*Player free spin id provided in initialize response*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round
7002	Invalid Player for the campaign
7003	Invalid Player Free Spin ID

FORTUNE MONKEY SLOTS GAME CONFIG

API to get the configuration of the slot game like reel layout, bonus configuration, symbol stake multiplier, paylines for Fortune Monkey game.

ENDPOINT URL:

/api/games/fm/slots/config?gameSkin=fortune-monkey

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```
{
  "autoSpinEnabled": true,
  "realityCheckEnabled": true,
  "depositUrl": "https://gs7.dev.markor.com/demo/index.html",
  "historyUrl": "https://gs7.dev.markor.com/demo/index.html",
  "domainName": "https://gs7.dev.markor.com/demo/index.html",
  "loginUrl": "https://gs7.dev.markor.com/demo/index.html",
  "demoPlayDepositUrl": "https://gs7.qa.markor.com/demo/index.html",
  "loader": "https://content.markor.com/content/all/images/cool-games.jpg",
  "gameConfiguration": {
    "name": "FM - 243 ALL WAYS - 96%  RTP",
    "rtp": [
      "243 ALL WAYS - 96.00%  RTP"
    ],
    "maxPaylines": null,
    "paylineOffsets": null,
    "maxPayWays": 243,
    "reelLayouts": [
      {
        "reels": [
          {
            "symbols": [
              "D_SYM_JACK",
              "D_SYM_SYMBOL_A",
              "D_SYM_ACE",
              "D_SYM_SYMBOL_C",
              "D_SYM_QUEEN",
              "D_SYM_SYMBOL_D",
              "D_SYM_TRIGGER"
            ],
            "reelSize": 96
          },
          {
            "symbols": [
              "D_SYM_TEN",
              "D_SYM_SYMBOL_E",
              "D_SYM_SYMBOL_E",
              "D_SYM_TEN",
              "D_SYM_WILD",
              "D_SYM_TEN",
              "D_SYM_ACE"
```

```json
      ],
      "reelSize": 96
    },
    {
      "symbols": [
        "D_SYM_JACK",
        "D_SYM_SYMBOL_A",
        "D_SYM_NINE",
        "D_SYM_SYMBOL_C",
        "D_SYM_SYMBOL_C",
        "D_SYM_ACE"
      ],
      "reelSize": 96
    },
    {
      "symbols": [
        "D_SYM_NINE",
        "D_SYM_SYMBOL_A",
        "D_SYM_TEN",
        "D_SYM_SYMBOL_C",
        "D_SYM_SYMBOL_C",
        "D_SYM_ACE"
      ],
      "reelSize": 96
    },
    {
      "symbols": [
        "D_SYM_JACK",
        "D_SYM_SYMBOL_A",
        "D_SYM_KING",
        "D_SYM_SYMBOL_C",
        "D_SYM_ACE"
      ],
      "reelSize": 96
    }
  ],
  "weight": 1779,
  "name": "BASE1",
  "totalWeight": 4096,
  "reelCount": 5
},
{
  "reels": [
    {
      "symbols": [
        "D_SYM_JACK",
        "D_SYM_SYMBOL_A",
        "D_SYM_KING",
        "D_SYM_JACK",
        "D_SYM_SYMBOL_D",
        "D_SYM_KING"
      ],
      "reelSize": 96
    },
    {
```

```
      "symbols": [
        "D_SYM_TEN",
        "D_SYM_SYMBOL_E",
        "D_SYM_SYMBOL_E",
        "D_SYM_JACK",
        "D_SYM_WILD",
        "D_SYM_NINE",
        "D_SYM_ACE"
      ],
      "reelSize": 96
    },
    {
      "symbols": [
        "D_SYM_TEN",
        "D_SYM_SYMBOL_A",
        "D_SYM_TEN",
        "D_SYM_SYMBOL_C",
        "D_SYM_TEN",
        "D_SYM_ACE"
      ],
      "reelSize": 96
    },
    {
      "symbols": [
        "D_SYM_QUEEN",
        "D_SYM_SYMBOL_A",
        "D_SYM_ACE",
        "D_SYM_SYMBOL_C",
        "D_SYM_QUEEN",
        "D_SYM_ACE"
      ],
      "reelSize": 96
    },
    {
      "symbols": [
        "D_SYM_JACK",
        "D_SYM_SYMBOL_A",
        "D_SYM_KING",
        "D_SYM_SYMBOL_C",
        "D_SYM_ACE"
      ],
      "reelSize": 96
    }
  ],
  "weight": 2317,
  "name": "BASE2",
  "totalWeight": 4096,
  "reelCount": 5
},
{
  "reels": [
    {
      "symbols": [
        "D_SYM_JACK",
        "D_SYM_SYMBOL_A",
```

```
          "D_SYM_ACE",
          "D_SYM_SYMBOL_C",
          "D_SYM_NINE"
        ],
        "reelSize": 96
      },
      {
        "symbols": [
          "D_SYM_TEN",
          "D_SYM_SYMBOL_F",
          "D_SYM_SYMBOL_F",
          "D_SYM_ACE"
        ],
        "reelSize": 96
      },
      {
        "symbols": [
          "D_SYM_JACK",
          "D_SYM_SYMBOL_A",
          "D_SYM_TEN",
          "D_SYM_SYMBOL_D",
          "D_SYM_SYMBOL_D",
          "D_SYM_ACE"
        ],
        "reelSize": 96
      },
      {
        "symbols": [
          "D_SYM_TEN",
          "D_SYM_SYMBOL_A",
          "D_SYM_TEN",
          "D_SYM_SYMBOL_D",
          "D_SYM_SYMBOL_D",
          "D_SYM_ACE"
        ],
        "reelSize": 96
      },
      {
        "symbols": [
          "D_SYM_JACK",
          "D_SYM_SYMBOL_A",
          "D_SYM_KING",
          "D_SYM_NINE",
          "D_SYM_JACK",
          "D_SYM_KING"
        ],
        "reelSize": 96
      }
    ],
    "weight": 0,
    "name": "DRAGON",
    "totalWeight": 0,
    "reelCount": 5
  }
],
```

```json
  "bonusConfiguration": {
    "freeSpinConfiguration": {
      "freeSpinSymbolOccurrenceMultipliers": {
        "3": 8,
        "4": 8,
        "5": 8
      },
      "freeSpinSymbolOccurrenceMultipliersFreeGames": {
        "1": 2
      },
      "freeSpinSymbol": [
        "D_SYM_TRIGGER"
      ],
      "freeSpinSymbolFreeGames": [
        "D_SYM_KING_SP",
        "D_SYM_JACK_SP"
      ],
      "reelLayouts": {
        "FREE_____": [
          {
            "symbols": [
              "D_SYM_ACE",
              "D_SYM_NINE",
              "D_SYM_SYMBOL_A",
              "D_SYM_KING",
              "D_SYM_ACE"
            ],
            "reelSize": 96
          },
          {
            "symbols": [
              "D_SYM_JACK_DUMMY_WILD",
              "D_SYM_SYMBOL_E",
              "D_SYM_SYMBOL_E",
              "D_SYM_JACK_DUMMY_WILD",
              "D_SYM_SYMBOL_F"
            ],
            "reelSize": 96
          },
          {
            "symbols": [
              "D_SYM_ACE_DUMMY_WILD",
              "D_SYM_SYMBOL_A",
              "D_SYM_SYMBOL_F",
              "D_SYM_ACE_DUMMY_WILD",
              "D_SYM_SYMBOL_E"
            ],
            "reelSize": 96
          },
          {
            "symbols": [
              "D_SYM_QUEEN_DUMMY_WILD",
              "D_SYM_SYMBOL_B",
              "D_SYM_SYMBOL_A",
              "D_SYM_TEN_DUMMY_WILD",
```

```
              "D_SYM_SYMBOL_F"
            ],
            "reelSize": 96
          },
          {
            "symbols": [
              "D_SYM_ACE",
              "D_SYM_NINE",
              "D_SYM_SYMBOL_A",
              "D_SYM_ACE"
            ],
            "reelSize": 96
          }
        ]
      },
      "minimumFreeSpinSymbolsToWin": 3,
      "totalWeight": 0
    }
  },
  "symbolStakeMultipliers": {
    "D_SYM_WILD": [
      0,
      0,
      0,
      0,
      0
    ],
    "D_SYM_SYMBOL_A": [
      0,
      0,
      40,
      80,
      500
    ],
    "D_SYM_SYMBOL_B": [
      0,
      0,
      25,
      50,
      300
    ],
    "D_SYM_SYMBOL_C": [
      0,
      0,
      20,
      40,
      200
    ],
    "D_SYM_SYMBOL_D": [
      0,
      0,
      15,
      30,
      150
    ],
```

```
    "D_SYM_SYMBOL_E": [
      0,
      0,
      10,
      20,
      100
    ],
    "D_SYM_SYMBOL_F": [
      0,
      0,
      10,
      20,
      100
    ],
    "D_SYM_ACE": [
      0,
      0,
      5,
      15,
      50
    ],
    "D_SYM_KING": [
      0,
      0,
      5,
      15,
      50
    ],
    "D_SYM_QUEEN": [
      0,
      0,
      5,
      15,
      50
    ],
    "D_SYM_JACK": [
      0,
      0,
      5,
      10,
      20
    ],
    "D_SYM_TEN": [
      0,
      0,
      5,
      10,
      20
    ],
    "D_SYM_NINE": [
      0,
      0,
      5,
      10,
      20
```

```json
      ]
    },
    "visibleRows": 3,
    "noOfReels": 5,
    "wildMultiplier": 1,
    "scatterMultipliers": [
      0,
      0,
      2,
      5,
      20
    ]
  },
  "winningCelebrations": [
    {
      "name": "bigwin",
      "stakeToWinningsRatioConsequent": 30
    },
    {
      "name": "megawin",
      "stakeToWinningsRatioConsequent": 45
    },
    {
      "name": "superwin",
      "stakeToWinningsRatioConsequent": 60
    }
  ],
  "stakeConfig": {
    "USD": {
      "minStake": 0.01,
      "maxStake": 1,
      "stakeLadder": [
        0.01,
        0.02,
        0.03,
        0.04,
        0.05,
        0.1,
        0.2,
        0.25,
        0.5,
        1
      ]
    },
    "GBP": {
      "minStake": 0.01,
      "maxStake": 1,
      "stakeLadder": [
        0.01,
        0.02,
        0.03,
        0.04,
        0.05,
        0.1,
        0.2,
```

```
        0.25,
        0.5,
        1
      ]
    }
  },
  "gambleConfig": null,
  "showLobbyBtn": true,
  "showFullscreenBtn": true,
  "showDepositBtn": true,
  "implementation": ""
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

FORTUNE MONKEY SLOTS INITIALIZE

API to get all the basic player details like player account balances, reality check info, custom stake settings if any configured for the player. Game Play State object is null for regular plays. But if there are unfinished games, gamePlayState is returned with the unfinished game.

ENDPOINT URL:

/api/player/slots/initialise?gameSkin=fortune-monkey

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS WITH PENDING FREESPINS FOR GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "2868.02",
        "currency": "USD",
        "pretty": "$ 2868.02"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "2868.02",
        "currency": "USD",
        "pretty": "$ 2868.02"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 60,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "message": null,
    "sessionElapsedTime": 21
  },
  "gamePlayState": null,
```

```
    "freeSpinState": {
      "playerFreeSpinId": "5ce40ad3375baf10d07ac86c",
      "freeSpinsRemaining": 5,
      "freeSpinsAwarded": 5,
      "totalWin": null,
      "stake": {
        "amount": "1.00",
        "currency": "USD",
        "pretty": "$ 1.00"
      },
      "noOfLines": 1,
      "pendingFreeSpinGameResponse": null
    }
}
```

RESPONSE SAMPLE SUCCESS WITH UNFINISHED GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "2868.02",
        "currency": "USD",
        "pretty": "$ 2868.02"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "2868.02",
        "currency": "USD",
        "pretty": "$ 2868.02"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 60,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "message": null,
    "sessionElapsedTime": 8
  },
```

```
  "gamePlayState": {
    "gameRoundId": "5ce4078b375baf16066cf47a",
    "gameRoundState": null,
    "status": "IN_PROGRESS",
    "gameResponse": {
      "gameRoundId": "5ce4078b375baf16066cf47a",
      "status": "IN_PROGRESS",
      "balance": {
        "cashBalance": {
          "amount": "2870.69",
          "currency": "USD",
          "pretty": "$ 2870.69"
        },
        "bonusBalance": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "$ 0.00"
        },
        "totalBalance": {
          "amount": "2870.69",
          "currency": "USD",
          "pretty": "$ 2870.69"
        },
        "playerWithhold": null
      },
      "messageDetails": null,
      "winningWays": [

      ],
      "demoPlay": false,
      "stakePerLine": null,
      "stakeAmount": {
        "amount": "1.00",
        "currency": "USD",
        "pretty": "$ 1.00"
      },
      "numberOfLines": null,
      "reelStops": [
        40,
        75,
        12,
        76,
        35
      ],
      "freeSpinsRemaining": 8,
      "freeSpinsWon": 8,
      "bonusAwarded": "FREE_SPIN",
      "spinPayout": 2.00,
      "totalPayout": 2.00,
      "winningCelebration": null,
      "symbolCounts": {

      },
      "isGambleEligible": false,
      "gambleAttemptsLeft": 0,
```

```json
      "freeSpinState": null,
      "unfinishedGame": null,
      "selectedReel": "BASE2",
      "scatterWinnings": {
        "winAmount": {
          "amount": "2.00",
          "currency": "USD",
          "pretty": "$ 2.00"
        },
        "count": 3,
        "positions": {
          "symbol": "D_SYM_TRIGGER",
          "count": 3,
          "symbolIndex": [
            2,
            0,
            2,
            -1,
            -1
          ]
        }
      },
      "bonusGameResults": [

      ],
      "changeSymbol": null,
      "changeSymbols": [

      ],
      "dragonFeatureHit": false,
      "dragonFeatureWildReel": [
        false,
        false,
        false,
        false,
        false
      ],
      "totalIncreasedFreespin": 0
    }
  },
  "freeSpinState": null
}
```

RESPONSE SAMPLE FAILURE

```json
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

FORTUNE MONKEY SLOTS SPIN

API to trigger the spin for Fortune Monkey slots game. For Regular Spin, status is returned as COMPLETE with winning pay lines and amount. When free spins are won, status is returned as IN_PROGRESS. Subsequent request for re spin should be a "CONTINUE" until the status is COMPLETE.

ENDPOINT URL:

/api/games/fm/slots/spin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameSkin": "fortune-monkey",
  "stake": {
    "currency": "USD",
    "amount": 1
  }
}
```

RESPONSE SAMPLE SUCCESS

```
{
  "gameRoundId": "5ce4078f375baf16066cf481",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "2867.69",
      "currency": "USD",
      "pretty": "$ 2867.69"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "2867.69",
      "currency": "USD",
      "pretty": "$ 2867.69"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "winningWays": [

  ],
  "demoPlay": false,
  "stakePerLine": null,
  "stakeAmount": {
    "amount": "1.00",
```

```
      "currency": "USD",
      "pretty": "$ 1.00"
    },
    "numberOfLines": null,
    "reelStops": [
      71,
      47,
      72,
      37,
      45
    ],
    "freeSpinsRemaining": 0,
    "freeSpinsWon": 0,
    "bonusAwarded": "NONE",
    "spinPayout": 0.00,
    "totalPayout": 0.00,
    "winningCelebration": null,
    "symbolCounts": {

    },
    "isGambleEligible": false,
    "gambleAttemptsLeft": 0,
    "freeSpinState": null,
    "unfinishedGame": null,
    "selectedReel": "BASE2",
    "scatterWinnings": {
      "winAmount": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "count": 1,
      "positions": {
        "symbol": "D_SYM_TRIGGER",
        "count": 1,
        "symbolIndex": [
          0,
          -1,
          -1,
          -1,
          -1
        ]
      }
    },
    "bonusGameResults": [

    ],
    "changeSymbol": null,
    "changeSymbols": [

    ],
    "dragonFeatureHit": false,
    "dragonFeatureWildReel": [
      false,
      false,
```

```
      false,
      false,
      false
    ],
    "totalIncreasedFreespin": 0
}
```

RESPONSE SAMPLE SUCCESS WITH FREESPIN

```
{
  "gameRoundId": "5ce4078b375baf16066cf47a",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "2870.69",
      "currency": "USD",
      "pretty": "$ 2870.69"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "2870.69",
      "currency": "USD",
      "pretty": "$ 2870.69"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "winningWays": [

  ],
  "demoPlay": false,
  "stakePerLine": null,
  "stakeAmount": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "numberOfLines": null,
  "reelStops": [
    40,
    75,
    12,
    76,
    35
  ],
  "freeSpinsRemaining": 8,
  "freeSpinsWon": 8,
  "bonusAwarded": "FREE_SPIN",
  "spinPayout": 2.00,
  "totalPayout": 2.00,
  "winningCelebration": null,
  "symbolCounts": {
```

```
    },
    "isGambleEligible": false,
    "gambleAttemptsLeft": 0,
    "freeSpinState": null,
    "unfinishedGame": null,
    "selectedReel": "BASE2",
    "scatterWinnings": {
      "winAmount": {
        "amount": "2.00",
        "currency": "USD",
        "pretty": "$ 2.00"
      },
      "count": 3,
      "positions": {
        "symbol": "D_SYM_TRIGGER",
        "count": 3,
        "symbolIndex": [
          2,
          0,
          2,
          -1,
          -1
        ]
      }
    },
    "bonusGameResults": [

    ],
    "changeSymbol": null,
    "changeSymbols": [

    ],
    "dragonFeatureHit": false,
    "dragonFeatureWildReel": [
      false,
      false,
      false,
      false,
      false
    ],
    "totalIncreasedFreespin": 0
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
stake- currency, amount	*Required*	*Bet Amount and currency*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

FORTUNE MONKEY SLOTS FREESPIN CONTINUE

Freespin API which is invoked when free spins are won in the freespins feature. Continue request needs to be sent until the status is COMPLETE. All the re spins are bound to the same game round.

ENDPOINT URL:

/api/games/fm/slots/continue

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameRoundId": " 5cd95f95375baf160b7ca4b0",
  "gameSkin": "fortune-monkey"
}
```

RESPONSE SAMPLE SLOTS FOR FREESPIN

```
{
  "gameRoundId": "5ce4078b375baf16066cf47a",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "2868.02",
      "currency": "USD",
      "pretty": "$ 2868.02"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "2868.02",
      "currency": "USD",
      "pretty": "$ 2868.02"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "winningWays": [
    {
      "symbol": "D_SYM_QUEEN",
      "multiplier": 5,
      "payways": 1,
      "noOfSymbolByReel": [
        1,
        1,
        1
      ]
    },
    {
```

```
        "symbol": "D_SYM_NINE",
        "multiplier": 5,
        "payways": 1,
        "noOfSymbolByReel": [
          1,
          1,
          1
        ]
      }
    ],
    "demoPlay": false,
    "stakePerLine": null,
    "stakeAmount": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "$ 1.00"
    },
    "numberOfLines": null,
    "reelStops": [
      90,
      60,
      64,
      60,
      72
    ],
    "freeSpinsRemaining": 9,
    "freeSpinsWon": 2,
    "bonusAwarded": "FREE_SPIN",
    "spinPayout": 0.34,
    "totalPayout": 2.34,
    "winningCelebration": null,
    "symbolCounts": {

    },
    "isGambleEligible": false,
    "gambleAttemptsLeft": 0,
    "freeSpinState": null,
    "unfinishedGame": null,
    "selectedReel": "FREE_____",
    "scatterWinnings": {
      "winAmount": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "count": 0,
      "positions": {
        "symbol": "D_SYM_TRIGGER",
        "count": 0,
        "symbolIndex": [
          -1,
          -1,
          -1,
          -1,
          -1
```

```
      ]
    }
  },
  "bonusGameResults": [

  ],
  "changeSymbol": "D_SYM_ACE_DUMMY_WILD",
  "changeSymbols": [
    "D_SYM_ACE_DUMMY_WILD"
  ],
  "dragonFeatureHit": false,
  "dragonFeatureWildReel": [
    false,
    false,
    false,
    false,
    false
  ],
  "totalIncreasedFreespin": 2
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	Required	Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.
gameRoundId	Required	Game Round of the triggering spin

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

FORTUNE MONKEY SLOTS AWARDED FREESPINS

Awarded Freespins API for Fortune Monkey which is invoked when free spins are awarded by the operator and the player freespin id is passed as part of the initialize reponse. Freespins request needs to be sent until all the all the freespins awarded are played out by the player. The last free spin response would return if there are any unfinished games pending for the player and the current game

ENDPOINT URL:

/api/games/fm/slots/freespin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "playerFreeSpinId": " 5cd95d92375baf149463638b",
  "gameSkin": "fortune-monkey"
}
```

RESPONSE SAMPLE SLOTS INTERMEDIATE AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5ce40b76375baf16066cf487",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "2868.35",
      "currency": "USD",
      "pretty": "$ 2868.35"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "2868.35",
      "currency": "USD",
      "pretty": "$ 2868.35"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "winningWays": [

  ],
  "demoPlay": false,
  "stakePerLine": null,
  "stakeAmount": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
```

```
    },
    "numberOfLines": null,
    "reelStops": [
      20,
      6,
      46,
      54,
      85
    ],
    "freeSpinsRemaining": 0,
    "freeSpinsWon": 0,
    "bonusAwarded": "NONE",
    "spinPayout": 0.00,
    "totalPayout": 0.00,
    "winningCelebration": null,
    "symbolCounts": {

    },
    "isGambleEligible": false,
    "gambleAttemptsLeft": 0,
    "freeSpinState": {
      "playerFreeSpinId": "5ce40ad3375baf10d07ac86c",
      "freeSpinsRemaining": 3,
      "freeSpinsAwarded": 5,
      "totalWin": {
        "amount": "0.33",
        "currency": "USD",
        "pretty": "$ 0.33"
      },
      "stake": {
        "amount": "1.00",
        "currency": "USD",
        "pretty": "$ 1.00"
      },
      "noOfLines": 1,
      "pendingFreeSpinGameResponse": null
    },
    "unfinishedGame": null,
    "selectedReel": "BASE2",
    "scatterWinnings": {
      "winAmount": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "count": 2,
      "positions": {
        "symbol": "D_SYM_TRIGGER",
        "count": 2,
        "symbolIndex": [
          -1,
          2,
          -1,
          1,
          -1
```

```json
      ]
    }
  },
  "bonusGameResults": [

  ],
  "changeSymbol": null,
  "changeSymbols": [

  ],
  "dragonFeatureHit": false,
  "dragonFeatureWildReel": [
    false,
    false,
    false,
    false,
    false
  ],
  "totalIncreasedFreespin": 0
}
```

RESPONSE SAMPLE SLOTS LAST AWARDED FREE SPIN SUCCESS

```json
{
  "gameRoundId": "5ce40bb9375baf16066cf48d",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "2877.35",
      "currency": "USD",
      "pretty": "$ 2877.35"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "2877.35",
      "currency": "USD",
      "pretty": "$ 2877.35"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "winningWays": [

  ],
  "demoPlay": false,
  "stakePerLine": null,
  "stakeAmount": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "numberOfLines": null,
```

```
  "reelStops": [
    68,
    17,
    23,
    6,
    90
  ],
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "symbolCounts": {

  },
  "isGambleEligible": false,
  "gambleAttemptsLeft": 0,
  "freeSpinState": {
    "playerFreeSpinId": "5ce40ad3375baf10d07ac86c",
    "freeSpinsRemaining": 0,
    "freeSpinsAwarded": 5,
    "totalWin": {
      "amount": "9.33",
      "currency": "USD",
      "pretty": "$ 9.33"
    },
    "stake": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "$ 1.00"
    },
    "noOfLines": 1,
    "pendingFreeSpinGameResponse": null
  },
  "unfinishedGame": {
    "gameRoundId": "5ce4078b375baf16066cf47a",
    "status": "IN_PROGRESS",
    "gameResponse": {
      "gameRoundId": "5ce4078b375baf16066cf47a",
      "status": "IN_PROGRESS",
      "balance": {
        "cashBalance": {
          "amount": "2868.02",
          "currency": "USD",
          "pretty": "$ 2868.02"
        },
        "bonusBalance": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "$ 0.00"
        },
        "totalBalance": {
          "amount": "2868.02",
          "currency": "USD",
```

```json
        "pretty": "$ 2868.02"
      },
      "playerWithhold": null
    },
    "messageDetails": null,
    "winningWays": [
      {
        "symbol": "D_SYM_QUEEN",
        "multiplier": 5,
        "payways": 1,
        "noOfSymbolByReel": [
          1,
          1,
          1
        ]
      },
      {
        "symbol": "D_SYM_NINE",
        "multiplier": 5,
        "payways": 1,
        "noOfSymbolByReel": [
          1,
          1,
          1
        ]
      }
    ],
    "demoPlay": false,
    "stakePerLine": null,
    "stakeAmount": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "$ 1.00"
    },
    "numberOfLines": null,
    "reelStops": [
      90,
      60,
      64,
      60,
      72
    ],
    "freeSpinsRemaining": 9,
    "freeSpinsWon": 2,
    "bonusAwarded": "FREE_SPIN",
    "spinPayout": 0.34,
    "totalPayout": 2.34,
    "winningCelebration": null,
    "symbolCounts": {

    },
    "isGambleEligible": false,
    "gambleAttemptsLeft": 0,
    "freeSpinState": null,
    "unfinishedGame": null,
```

```
    "selectedReel": "FREE_____",
    "scatterWinnings": {
      "winAmount": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "count": 0,
      "positions": {
        "symbol": "D_SYM_TRIGGER",
        "count": 0,
        "symbolIndex": [
          -1,
          -1,
          -1,
          -1,
          -1
        ]
      }
    },
    "bonusGameResults": [

    ],
    "changeSymbol": "D_SYM_ACE_DUMMY_WILD",
    "changeSymbols": [
      "D_SYM_ACE_DUMMY_WILD"
    ],
    "dragonFeatureHit": false,
    "dragonFeatureWildReel": [
      false,
      false,
      false,
      false,
      false
    ],
    "totalIncreasedFreespin": 2
  }
},
"selectedReel": "BASE1",
"scatterWinnings": {
  "winAmount": {
    "amount": "0.00",
    "currency": "USD",
    "pretty": "$ 0.00"
  },
  "count": 1,
  "positions": {
    "symbol": "D_SYM_TRIGGER",
    "count": 1,
    "symbolIndex": [
      -1,
      -1,
      -1,
      -1,
      2
```

```
      ]
    }
  },
  "bonusGameResults": [

  ],
  "changeSymbol": null,
  "changeSymbols": [

  ],
  "dragonFeatureHit": false,
  "dragonFeatureWildReel": [
    false,
    false,
    false,
    false,
    false
  ],
  "totalIncreasedFreespin": 0
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "7003",
  "description": "Invalid Player Free Spin ID"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
playerFreeSpinId	*Required*	*Player free spin id provided in initialize response*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round
7002	Invalid Player for the campaign
7003	Invalid Player Free Spin ID

R4BB GAME CONFIG

API to get the configuration of the slot game like reel layout, bonus configuration, symbol cluster multipliers for R4BB game.

ENDPOINT URL:

/api/games/r4bb/slots/config?gameSkin=r4bb

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```json
{
  "autoSpinEnabled": true,
  "realityCheckEnabled": true,
  "depositUrl": "https://gs7.qa.markor.com/demo/index.html",
  "historyUrl": "https://gs7.qa.markor.com/demo/index.html",
  "domainName": "https://gs7.qa.markor.com/demo/index.html",
  "loginUrl": "https://gs7.qa.markor.com/demo/index.html",
  "demoPlayDepositUrl": "https://gs7.qa.markor.com/demo/index.html",
  "loader": "https://content.markor.com/content/all/images/cool-games.jpg",
  "gameConfiguration": {
    "name": "R4BB - Cluster - 96.86% RTP",
    "rtp": [
      "Cluster Pay - 96.86% RTP"
    ],
    "visibleRows": 3,
    "noOfReels": 5,
    "minClusterSize": 5,
    "noOfUnits": 10,
    "topPayout": 10000,
    "wildMultiplier": 1,
    "reels": [
      [
        {
          "symbols": [
            "S5",
            "S5",
            "S5",
            "S5",
            "S6",
            "S6",
            "S6",
            "S6",
            "S6"
          ],
          "reelSize": 40
        },
        {
          "symbols": [
            "S2",
            "S2",
            "S2",
```

```
          "S2",
          "S3",
          "S3",
          "S7",
          "S7"
        ],
        "reelSize": 40
      },
      {
        "symbols": [
          "S6",
          "S6",
          "S6",
          "S6",
          "S5",
          "S7",
          "S7"
        ],
        "reelSize": 40
      }
    ],
    [
      {
        "symbols": [
          "S7",
          "S7",
          "S7",
          "S7",
          "S3",
          "S3"
        ],
        "reelSize": 40
      },
      {
        "symbols": [
          "S1",
          "S1",
          "S1",
          "S1",
          "S4",
          "S4",
          "S5"
        ],
        "reelSize": 40
      },
      {
        "symbols": [
          "S7",
          "S7",
          "S7",
          "S3",
          "S3",
          "S5",
          "S5"
        ],
```

```
          "reelSize": 40
      }
    ],
    [
      {
        "symbols": [
          "S5",
          "S5",
          "S5",
          "S5",
          "S5"
        ],
        "reelSize": 40
      },
      {
        "symbols": [
          "S3",
          "S3",
          "S3",
          "S7"
        ],
        "reelSize": 40
      },
      {
        "symbols": [
          "S3",
          "S3",
          "S3",
          "S3",
          "S7",
          "S7",
          "S7"
        ],
        "reelSize": 40
      }
    ],
    [
      {
        "symbols": [
          "S7",
          "S7",
          "S7",
          "S7",
          "S4",
          "S4",
          "S4"
        ],
        "reelSize": 40
      },
      {
        "symbols": [
          "S1",
          "S1",
          "S1",
          "S1",
```

```
        "S6",
        "S6"
      ],
      "reelSize": 40
    },
    {
      "symbols": [
        "S7",
        "S7",
        "S7",
        "S6",
        "S6"
      ],
      "reelSize": 40
    }
  ],
  [
    {
      "symbols": [
        "S6",
        "S6",
        "S6",
        "S6",
        "S5",
        "S5",
        "S5"
      ],
      "reelSize": 40
    },
    {
      "symbols": [
        "S5",
        "S5",
        "S5",
        "S5",
        "S2"
      ],
      "reelSize": 40
    },
    {
      "symbols": [
        "WILD",
        "S5",
        "S5",
        "S5",
        "S6",
        "S6"
      ],
      "reelSize": 40
    }
  ]
],
"symbolMultipliers": {
  "S1": [
    {
```

```json
      "clusterSize": 5,
      "multiplier": 30
    },
    {
      "clusterSize": 14,
      "multiplier": 5000
    },
    {
      "clusterSize": 15,
      "multiplier": 10000
    }
  ],
  "S2": [
    {
      "clusterSize": 5,
      "multiplier": 20
    },
    {
      "clusterSize": 6,
      "multiplier": 40
    },
    {
      "clusterSize": 15,
      "multiplier": 5000
    }
  ],
  "S3": [
    {
      "clusterSize": 5,
      "multiplier": 15
    },
    {
      "clusterSize": 15,
      "multiplier": 2500
    }
  ],
  "S4": [
    {
      "clusterSize": 5,
      "multiplier": 15
    },
    {
      "clusterSize": 15,
      "multiplier": 2500
    }
  ],
  "S5": [
    {
      "clusterSize": 5,
      "multiplier": 10
    },
    {
      "clusterSize": 6,
      "multiplier": 15
    },
```

```json
        {
          "clusterSize": 15,
          "multiplier": 1000
        }
      ],
      "S6": [
        {
          "clusterSize": 5,
          "multiplier": 10
        },
        {
          "clusterSize": 6,
          "multiplier": 15
        },
        {
          "clusterSize": 15,
          "multiplier": 1000
        }
      ],
      "S7": [
        {
          "clusterSize": 5,
          "multiplier": 10
        },
        {
          "clusterSize": 14,
          "multiplier": 500
        },
        {
          "clusterSize": 15,
          "multiplier": 1000
        }
      ]
    },
    "reelWeights": {
      "base": [
        12,
        8,
        2
      ],
      "baseTotal": 22,
      "respin": [
        [
          6,
          2,
          5
        ],
        [
          5,
          2,
          7
        ],
        [
          0,
          2,
```

```
        10
      ],
      [
        0,
        0,
        10
      ]
    ],
    "respinTotal": [
      13,
      14,
      12,
      10
    ]
  }
},
"winningCelebrations": [
  {
    "name": "bigwin",
    "stakeToWinningsRatioConsequent": 30
  },
  {
    "name": "superwin",
    "stakeToWinningsRatioConsequent": 45
  },
  {
    "name": "megawin",
    "stakeToWinningsRatioConsequent": 60
  }
],
"stakeConfig": {
  "USD": {
    "minStake": 0.01,
    "maxStake": 1,
    "stakeLadder": [
      0.01,
      0.02,
      0.03,
      0.04,
      0.05,
      0.1,
      0.2,
      0.25,
      0.5,
      1
    ]
  },
  "GBP": {
    "minStake": 0.01,
    "maxStake": 1,
    "stakeLadder": [
      0.01,
      0.02,
      0.03,
      0.04,
```

```
          0.05,
          0.1,
          0.2,
          0.25,
          0.5,
          1
        ]
      },
      "CRD": {
        "minStake": 0.01,
        "maxStake": 1,
        "stakeLadder": [
          0.01,
          0.02,
          0.03,
          0.04,
          0.05,
          0.1,
          0.2,
          0.25,
          0.5,
          1
        ]
      }
    },
    "gambleConfig": null,
    "showLobbyBtn": false,
    "showFullscreenBtn": true,
    "showDepositBtn": false,
    "implementation": ""
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

R4BB INITIALIZE

API to get all the basic player details like player account balances, reality check info, custom stake settings if any configured for the player. Game Play State object is null for regular plays. But if there are unfinished games, gamePlayState is returned with the unfinished game.

ENDPOINT URL:

/api/player/slots/initialise?gameSkin=r4bb

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS WITH PENDING FREESPINS FOR GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "4983.00",
        "currency": "USD",
        "pretty": "$ 4983.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "4983.00",
        "currency": "USD",
        "pretty": "$ 4983.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 60,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "message": null,
    "sessionElapsedTime": 10
  },
  "gamePlayState": null,
```

```
    "freeSpinState": {
      "playerFreeSpinId": "5cecfde4c9637355048ffe9f",
      "freeSpinsRemaining": 5,
      "freeSpinsAwarded": 5,
      "totalWin": null,
      "stake": {
        "amount": "1.00",
        "currency": "USD",
        "pretty": "$ 1.00"
      },
      "noOfLines": 1,
      "pendingFreeSpinGameResponse": null
    }
}
```

RESPONSE SAMPLE SUCCESS WITH UNFINISHED GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "4981.00",
        "currency": "USD",
        "pretty": "$ 4981.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "4981.00",
        "currency": "USD",
        "pretty": "$ 4981.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 60,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "message": null,
    "sessionElapsedTime": 7
  },
```

```
"gamePlayState": {
  "gameRoundId": "5cecfc96c9637354ce7729f5",
  "gameRoundState": null,
  "status": "IN_PROGRESS",
  "gameResponse": {
    "gameRoundId": "5cecfc96c9637354ce7729f5",
    "status": "IN_PROGRESS",
    "balance": {
      "cashBalance": {
        "amount": "4982.00",
        "currency": "USD",
        "pretty": "$ 4982.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "4982.00",
        "currency": "USD",
        "pretty": "$ 4982.00"
      },
      "playerWithhold": null
    },
    "messageDetails": null,
    "demoPlay": false,
    "stakePerLine": null,
    "stakeAmount": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "$ 1.00"
    },
    "numberOfLines": null,
    "symbolGrid": {
      "symbols": [
        [
          "S5",
          "S7",
          "S2",
          "S5",
          "S7"
        ],
        [
          "WILD",
          "S4",
          "S6",
          "S5",
          "S7"
        ],
        [
          "S6",
          "S4",
          "S6",
          "S1",
```

```
            "S1"
         ]
      ]
   },
   "bonusAwarded": "RESPIN",
   "spinPayout": 1.00,
   "totalPayout": 1.00,
   "winningCelebration": null,
   "expandingReels": [
      0
   ],
   "isGambleEligible": false,
   "gambleAttemptsLeft": 0,
   "freeSpinState": null,
   "unfinishedGame": null,
   "clusters": [
      {
         "symbol": "S4",
         "count": 5,
         "clusterPositions": [
            6,
            11,
            10,
            5,
            0
         ],
         "winnings": {
            "amount": "1.00",
            "currency": "USD",
            "pretty": "$ 1.00"
         }
      }
   ]
   }
},
"freeSpinState": null
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

R4BB SPIN

API to trigger the spin R4BB game. For Regular Spin, status is returned as COMPLETE with winning clusters and amounts. When respin is won, status is returned as IN_PROGRESS. Subsequent request for re spin should be a "CONTINUE" until the status is COMPLETE.

ENDPOINT URL:

/api/games/r4bb/slots/spin

REQUEST METHOD: POST

REQUEST PAYLOAD

```json
{
  "gameSkin": "r4bb",
  "stake": {
    "currency": "USD",
    "amount": 1
  }
}
```

RESPONSE SAMPLE SUCCESS

```json
{
  "gameRoundId": "5cecfc82c9637354ce7729e4",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "4990.00",
      "currency": "USD",
      "pretty": "$ 4990.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "4990.00",
      "currency": "USD",
      "pretty": "$ 4990.00"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": null,
  "stakeAmount": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "numberOfLines": null,
  "symbolGrid": {
```

```
      "symbols": [
        [
          "S6",
          "S3",
          "S6",
          "S7",
          "S5"
        ],
        [
          "S5",
          "S3",
          "S5",
          "S5",
          "S5"
        ],
        [
          "S5",
          "S3",
          "S5",
          "S5",
          "S5"
        ]
      ]
    },
    "bonusAwarded": "NONE",
    "spinPayout": 2.00,
    "totalPayout": 2.00,
    "winningCelebration": null,
    "expandingReels": [

    ],
    "isGambleEligible": false,
    "gambleAttemptsLeft": 0,
    "freeSpinState": null,
    "unfinishedGame": null,
    "clusters": [
      {
        "symbol": "S5",
        "count": 7,
        "clusterPositions": [
          4,
          9,
          14,
          13,
          8,
          7,
          12
        ],
        "winnings": {
          "amount": "2.00",
          "currency": "USD",
          "pretty": "$ 2.00"
        }
      }
    ]
```

```
}
```

RESPONSE SAMPLE SUCCESS WITH RESPIN

```
{
  "gameRoundId": "5cecfc96c9637354ce7729f5",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "4982.00",
      "currency": "USD",
      "pretty": "$ 4982.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "4982.00",
      "currency": "USD",
      "pretty": "$ 4982.00"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": null,
  "stakeAmount": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "numberOfLines": null,
  "symbolGrid": {
    "symbols": [
      [
        "S5",
        "S7",
        "S2",
        "S5",
        "S7"
      ],
      [
        "WILD",
        "S4",
        "S6",
        "S5",
        "S7"
      ],
      [
        "S6",
        "S4",
        "S6",
        "S1",
        "S1"
```

```
        ]
      ]
    },
    "bonusAwarded": "RESPIN",
    "spinPayout": 1.00,
    "totalPayout": 1.00,
    "winningCelebration": null,
    "expandingReels": [
      0
    ],
    "isGambleEligible": false,
    "gambleAttemptsLeft": 0,
    "freeSpinState": null,
    "unfinishedGame": null,
    "clusters": [
      {
        "symbol": "S4",
        "count": 5,
        "clusterPositions": [
          6,
          11,
          10,
          5,
          0
        ],
        "winnings": {
          "amount": "1.00",
          "currency": "USD",
          "pretty": "$ 1.00"
        }
      }
    ]
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
stake- currency, amount	*Required*	*Bet Amount and currency*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

R4BB RESPIN CONTINUE

Respin API which is invoked when re spins are won in the respin feature. Continue request needs to be sent until the status is COMPLETE. All the re spins are bound to the same game round.

ENDPOINT URL:

/api/games/r4bb/slots/continue

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameRoundId": " 5cd95f95375baf160b7ca4b0",
  "gameSkin": "r4bb"
}
```

RESPONSE SAMPLE FOR RESPIN

```
{
  "gameRoundId": "5cecfc96c9637354ce7729f5",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "4983.00",
      "currency": "USD",
      "pretty": "$ 4983.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "4983.00",
      "currency": "USD",
      "pretty": "$ 4983.00"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": null,
  "stakeAmount": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "numberOfLines": null,
  "symbolGrid": {
    "symbols": [
      [
        "S1",
```

```
          "S7",
          "S5",
          "S6",
          "S5"
        ],
        [
          "S1",
          "S7",
          "S5",
          "S6",
          "S5"
        ],
        [
          "S1",
          "S3",
          "S5",
          "S6",
          "S2"
        ]
      ]
    },
    "bonusAwarded": "RESPIN",
    "spinPayout": 1.00,
    "totalPayout": 2.00,
    "winningCelebration": null,
    "expandingReels": [
      0
    ],
    "isGambleEligible": false,
    "gambleAttemptsLeft": 0,
    "freeSpinState": null,
    "unfinishedGame": null,
    "clusters": [
      {
        "symbol": "S7",
        "count": 5,
        "clusterPositions": [
          1,
          6,
          5,
          10,
          0
        ],
        "winnings": {
          "amount": "1.00",
          "currency": "USD",
          "pretty": "$ 1.00"
        }
      }
    ]
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
gameRoundId	*Required*	*Game Round of the triggering spin*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

R4BB AWARDED FREESPINS

Awarded Freespins API for R4BB which is invoked when free spins are awarded by the operator and the player freespin id is passed as part of the initialize reponse. Freespins request needs to be sent until all the all the freespins awarded are played out by the player. The last free spin response would return if there are any unfinished games pending for the player and the current game

ENDPOINT URL:

/api/games/r4bb/slots/freespin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "playerFreeSpinId": " 5cd95d92375baf149463638b",
  "gameSkin": "r4bb"
}
```

RESPONSE SAMPLE SLOTS INTERMEDIATE AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5cecfe72c9637354ce772a2b",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "4983.00",
      "currency": "USD",
      "pretty": "$ 4983.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "4983.00",
      "currency": "USD",
      "pretty": "$ 4983.00"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": null,
  "stakeAmount": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "numberOfLines": null,
  "symbolGrid": {
```

```
      "symbols": [
        [
          "S5",
          "S3",
          "S1",
          "S7",
          "S2"
        ],
        [
          "S5",
          "S3",
          "S1",
          "S3",
          "S2"
        ],
        [
          "S5",
          "S7",
          "S6",
          "S3",
          "S2"
        ]
      ]
    },
    "bonusAwarded": "NONE",
    "spinPayout": 0.00,
    "totalPayout": 0.00,
    "winningCelebration": null,
    "expandingReels": [

    ],
    "isGambleEligible": false,
    "gambleAttemptsLeft": 0,
    "freeSpinState": {
      "playerFreeSpinId": "5cecfde4c9637355048ffe9f",
      "freeSpinsRemaining": 1,
      "freeSpinsAwarded": 5,
      "totalWin": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "stake": {
        "amount": "1.00",
        "currency": "USD",
        "pretty": "$ 1.00"
      },
      "noOfLines": 1,
      "pendingFreeSpinGameResponse": null
    },
    "unfinishedGame": null,
    "clusters": [

    ]
}
```

RESPONSE SAMPLE SLOTS LAST AWARDED FREE SPIN SUCCESS

```json
{
  "gameRoundId": "5cecfe73c9637354ce772a2c",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "4983.00",
      "currency": "USD",
      "pretty": "$ 4983.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "4983.00",
      "currency": "USD",
      "pretty": "$ 4983.00"
    },
    "playerWithhold": null
  },
  "messageDetails": null,
  "demoPlay": false,
  "stakePerLine": null,
  "stakeAmount": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "numberOfLines": null,
  "symbolGrid": {
    "symbols": [
      [
        "S6",
        "S3",
        "S5",
        "S4",
        "S6"
      ],
      [
        "S1",
        "S3",
        "S5",
        "S4",
        "S6"
      ],
      [
        "S1",
        "S7",
        "S5",
        "S2",
        "S5"
      ]
    ]
```

```
  },
  "bonusAwarded": "NONE",
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "expandingReels": [

  ],
  "isGambleEligible": false,
  "gambleAttemptsLeft": 0,
  "freeSpinState": {
    "playerFreeSpinId": "5cecfde4c9637355048ffe9f",
    "freeSpinsRemaining": 0,
    "freeSpinsAwarded": 5,
    "totalWin": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "stake": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "$ 1.00"
    },
    "noOfLines": 1,
    "pendingFreeSpinGameResponse": null
  },
  "unfinishedGame": null,
  "clusters": [

  ]
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "7003",
  "description": "Invalid Player Free Spin ID"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
playerFreeSpinId	*Required*	*Player free spin id provided in initialize response*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round
7002	Invalid Player for the campaign
7003	Invalid Player Free Spin ID

RICHES OF ATLANTIS GAME CONFIG

API to get the configuration of the slot game like reel layout, bonus configuration, symbol cluster multipliers for Riches of Atlantis game.

ENDPOINT URL:

/api/games/roa/slots/config?gameSkin=riches-of-atlantis

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```
{
  "autoSpinEnabled": false,
  "realityCheckEnabled": true,
  "depositUrl": "https://gs7.dev.markor.com/demo/index.html",
  "historyUrl": "https://gs7.dev.markor.com/demo/index.html",
  "domainName": "https://gs7.dev.markor.com/demo/index.html",
  "loginUrl": "https://gs7.dev.markor.com/demo/index.html",
  "demoPlayDepositUrl": "https://gs7.qa.markor.com/demo/index.html",
  "loader": "https://content.markor.com/content/all/images/cool-games.jpg",
  "winningCelebrations": [
    {
      "name": "bigwin",
      "stakeToWinningsRatioConsequent": 30
    },
    {
      "name": "hugewin",
      "stakeToWinningsRatioConsequent": 45
    },
    {
      "name": "gaintwin",
      "stakeToWinningsRatioConsequent": 60
    }
  ],
  "stakeConfig": {
    "GBP": {
      "minStake": 0.01,
      "maxStake": 1,
      "stakeLadder": [
        0.01,
        0.05,
        0.1,
        0.5,
        1
      ]
    },
    "USD": {
      "minStake": 0.01,
      "maxStake": 1,
      "stakeLadder": [
        0.01,
        0.05,
```

```
        0.1,
        0.5,
        1
      ]
    }
  },
  "paylineOffsets": [
    [
      1,
      1,
      1,
      1,
      1
    ],
    [
      0,
      0,
      0,
      0,
      0
    ],
    [
      2,
      2,
      2,
      2,
      2
    ],
    [
      0,
      1,
      2,
      1,
      0
    ],
    [
      2,
      1,
      0,
      1,
      2
    ],
    [
      1,
      2,
      2,
      2,
      1
    ],
    [
      1,
      0,
      0,
      0,
      1
```

```
      ],
      [
        2,
        2,
        1,
        0,
        0
      ],
      [
        1,
        0,
        0,
        0,
        1
      ],
      [
        0,
        0,
        1,
        2,
        2
      ],
      [
        2,
        1,
        1,
        1,
        0
      ]
    ],
    "gameConfiguration": null,
    "showLobbyBtn": false,
    "showFullscreenBtn": false,
    "showDepositBtn": false,
    "implementation": null,
    "bonusGamePurchaseFee": 80
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

RICHES OF ATLANTIS INITIALIZE

API to get all the basic player details like player account balances, reality check info, custom stake settings if any configured for the player. Game Play State object is null for regular plays. But if there are unfinished games, gamePlayState is returned with the unfinished game.

ENDPOINT URL:

/api/player/slots/initialise?gameSkin=riches-of-atlantis

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS WITH PENDING FREESPINS FOR GAME

```json
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "500000.00",
        "currency": "USD",
        "pretty": "$ 500000.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "500000.00",
        "currency": "USD",
        "pretty": "$ 500000.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 60,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "playerMaps": {

    },
    "message": null,
```

```json
      "sessionElapsedTime": 0
  },
  "gamePlayState": null,
  "freeSpinState": {
    "playerFreeSpinId": "5d3ef3d0375baf45653ac0de",
    "freeSpinsRemaining": 5,
    "freeSpinsAwarded": 5,
    "totalWin": null,
    "stake": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "$ 1.00"
    },
    "noOfLines": 10,
    "pendingFreeSpinGameResponse": null
  }
}
```

RESPONSE SAMPLE SUCCESS WITH UNFINISHED GAME

```json
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "499290.00",
        "currency": "USD",
        "pretty": "$ 499290.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "499290.00",
        "currency": "USD",
        "pretty": "$ 499290.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 60,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
```

```
      "stakeLadder": null,
      "playerMaps": {

      },
      "message": null,
      "sessionElapsedTime": 4
   },
   "gamePlayState": {
      "gameRoundId": "5d3efc57375baf3a596c9b53",
      "gameRoundState": null,
      "status": "IN_PROGRESS",
      "gameResponse": {
         "gameRoundId": "5d3efc57375baf3a596c9b53",
         "status": "IN_PROGRESS",
         "balance": {
            "cashBalance": {
               "amount": "499290.00",
               "currency": "USD",
               "pretty": "$ 499290.00"
            },
            "bonusBalance": {
               "amount": "0.00",
               "currency": "USD",
               "pretty": "$ 0.00"
            },
            "totalBalance": {
               "amount": "499290.00",
               "currency": "USD",
               "pretty": "$ 499290.00"
            },
            "playerWithhold": null
         },
         "demoPlay": false,
         "stakePerLine": {
            "amount": "1.00",
            "currency": "USD",
            "pretty": "$ 1.00"
         },
         "stakeAmount": null,
         "numberOfLines": 10,
         "symbolGrid": {
            "symbols": [
               [
                  "LOW_3",
                  "LOW_5",
                  "MID_2",
                  "MID_2",
                  "WILD"
               ],
               [
                  "WILD",
                  "HIGH_1",
                  "LOW_4",
                  "LOW_2",
                  "LOW_5"
```

```json
          ],
          [
            "LOW_4",
            "LOW_2",
            "WILD",
            "LOW_4",
            "MID_2"
          ]
        ],
        "specialSymbolGrid": null,
        "expandedSpecialSymbolGrid": null,
        "expandedSpecialSymbolCount": 0
      },
      "freeSpinsRemaining": 10,
      "freeSpinsWon": 10,
      "bonusAwarded": "FREE_SPIN",
      "spinPayout": 35.00,
      "totalPayout": 35.00,
      "winningCelebration": null,
      "winningLines": [
        1,
        6
      ],
      "winningLineAmounts": [
        10.00,
        5.00
      ],
      "freeSpinState": null,
      "unfinishedGame": null,
      "messages": null,
      "symbolCounts": {
        "0": {
          "symbol": "HIGH_1",
          "count": 2,
          "symbolIndex": [
            1,
            1
          ]
        },
        "1": {
          "symbol": "LOW_2",
          "count": 3,
          "symbolIndex": [
            1,
            2,
            2
          ]
        }
      },
      "modifiedReelGrid": null,
      "lockedReels": null,
      "lockedPositions": 0,
      "freeSpinBonusPick": null,
      "messageDetails": null
    }
```

```
  },
  "freeSpinState": null
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

RICHES OF ATLANTIS SPIN

API to trigger the spin Riches of Atlantis game. For Regular Spin, status is returned as COMPLETE with winning lines and amounts. When free spin is won, status is returned as IN_PROGRESS. Subsequent request for re spin should be a "CONTINUE" until the status is COMPLETE.

ENDPOINT URL:

/api/games/roa/slots/spin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameSkin": "riches-of-atlantis",
  "stake": {
    "currency": "USD",
    "amount": 1
  },
  "numberOfLines": 10
}
```

RESPONSE SAMPLE SUCCESS

```
{
  "gameRoundId": "5d3efc50375baf3a596c9b4c",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "499315.00",
      "currency": "USD",
      "pretty": "$ 499315.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "499315.00",
      "currency": "USD",
      "pretty": "$ 499315.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
```

```
  "numberOfLines": 10,
  "symbolGrid": {
    "symbols": [
      [
        "LOW_3",
        "LOW_1",
        "LOW_1",
        "LOW_4",
        "LOW_3"
      ],
      [
        "LOW_5",
        "HIGH_1",
        "LOW_3",
        "HIGH_2",
        "MID_2"
      ],
      [
        "LOW_1",
        "MID_2",
        "LOW_4",
        "LOW_3",
        "MID_1"
      ]
    ],
    "specialSymbolGrid": null,
    "expandedSpecialSymbolGrid": null,
    "expandedSpecialSymbolCount": 0
  },
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "winningLines": [

  ],
  "winningLineAmounts": [

  ],
  "freeSpinState": null,
  "unfinishedGame": null,
  "messages": null,
  "symbolCounts": {

  },
  "modifiedReelGrid": null,
  "lockedReels": null,
  "lockedPositions": 0,
  "freeSpinBonusPick": null,
  "messageDetails": null
}
```

RESPONSE SAMPLE SUCCESS WITH FREESPIN

```
{
  "gameRoundId": "5d3efc57375baf3a596c9b53",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "499290.00",
      "currency": "USD",
      "pretty": "$ 499290.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "499290.00",
      "currency": "USD",
      "pretty": "$ 499290.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 10,
  "symbolGrid": {
    "symbols": [
      [
        "LOW_3",
        "LOW_5",
        "MID_2",
        "MID_2",
        "WILD"
      ],
      [
        "WILD",
        "HIGH_1",
        "LOW_4",
        "LOW_2",
        "LOW_5"
      ],
      [
        "LOW_4",
        "LOW_2",
        "WILD",
        "LOW_4",
        "MID_2"
      ]
    ],
    "specialSymbolGrid": null,
```

```
    "expandedSpecialSymbolGrid": null,
    "expandedSpecialSymbolCount": 0
  },
  "freeSpinsRemaining": 10,
  "freeSpinsWon": 10,
  "bonusAwarded": "FREE_SPIN",
  "spinPayout": 35.00,
  "totalPayout": 35.00,
  "winningCelebration": null,
  "winningLines": [
    1,
    6
  ],
  "winningLineAmounts": [
    10.00,
    5.00
  ],
  "freeSpinState": null,
  "unfinishedGame": null,
  "messages": null,
  "symbolCounts": {
    "0": {
      "symbol": "HIGH_1",
      "count": 2,
      "symbolIndex": [
        1,
        1
      ]
    },
    "1": {
      "symbol": "LOW_2",
      "count": 3,
      "symbolIndex": [
        1,
        2,
        2
      ]
    }
  },
  "modifiedReelGrid": null,
  "lockedReels": null,
  "lockedPositions": 0,
  "freeSpinBonusPick": null,
  "messageDetails": null
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
stake- currency, amount	*Required*	*Bet Amount and currency*
numberOfLines	*Required*	*Number of Lines, 10 for Riches of Atlantis*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

RICHES OF ATLANTIS CONTINUE

Freespin API which is invoked when re spins are won in the freespin feature. Continue request needs to be sent until the status is COMPLETE. All the free spins are bound to the same game round.

ENDPOINT URL:

/api/games/roa/slots/continue

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameRoundId": " 5cd95f95375baf160b7ca4b0",
  "gameSkin": "riches-of-atlantis"
}
```

RESPONSE SAMPLE FOR FREESPIN

```
{
  "gameRoundId": "5d3efc57375baf3a596c9b53",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "499290.00",
      "currency": "USD",
      "pretty": "$ 499290.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "499290.00",
      "currency": "USD",
      "pretty": "$ 499290.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 10,
  "symbolGrid": {
    "symbols": [
      [
        "LOW_2",
        "LOW_1",
```

```
          "MID_1",
          "LOW_2",
          "LOW_4"
        ],
        [
          "LOW_4",
          "HIGH_1",
          "LOW_2",
          "LOW_3",
          "LOW_3"
        ],
        [
          "HIGH_2",
          "LOW_5",
          "LOW_3",
          "MID_1",
          "MID_1"
        ]
      ],
      "specialSymbolGrid": null,
      "expandedSpecialSymbolGrid": null,
      "expandedSpecialSymbolCount": 0
    },
    "freeSpinsRemaining": 9,
    "freeSpinsWon": 0,
    "bonusAwarded": "FREE_SPIN",
    "spinPayout": 0.00,
    "totalPayout": 35.00,
    "winningCelebration": null,
    "winningLines": [

    ],
    "winningLineAmounts": [

    ],
    "freeSpinState": null,
    "unfinishedGame": null,
    "messages": null,
    "symbolCounts": {

    },
    "modifiedReelGrid": null,
    "lockedReels": null,
    "lockedPositions": 0,
    "freeSpinBonusPick": null,
    "messageDetails": null
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
gameRoundId	*Required*	*Game Round of the triggering spin*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

RICHES OF ATLANTIS AWARDED FREESPINS

Awarded Freespins API for Riches of Atlantis which is invoked when free spins are awarded by the operator and the player freespin id is passed as part of the initialize reponse. Freespins request needs to be sent until all the all the freespins awarded are played out by the player. The last free spin response would return if there are any unfinished games pending for the player and the current game

ENDPOINT URL:

/api/games/roa/slots/freespin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "playerFreeSpinId": " "5d3ef3d0375baf45653ac0de",
  "gameSkin": "riches-of-atlantis"
}
```

RESPONSE SAMPLE SLOTS INTERMEDIATE AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5d3efb7a375baf3a596c9ab9",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "500000.00",
      "currency": "USD",
      "pretty": "$ 500000.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "500000.00",
      "currency": "USD",
      "pretty": "$ 500000.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
  "numberOfLines": 10,
  "symbolGrid": {
    "symbols": [
```

```
            [
                "LOW_3",
                "LOW_5",
                "LOW_2",
                "LOW_2",
                "LOW_1"
            ],
            [
                "LOW_2",
                "MID_1",
                "MID_2",
                "LOW_3",
                "MID_2"
            ],
            [
                "LOW_5",
                "LOW_2",
                "LOW_4",
                "LOW_5",
                "LOW_5"
            ]
        ],
        "specialSymbolGrid": null,
        "expandedSpecialSymbolGrid": null,
        "expandedSpecialSymbolCount": 0
    },
    "freeSpinsRemaining": 0,
    "freeSpinsWon": 0,
    "bonusAwarded": "NONE",
    "spinPayout": 0.00,
    "totalPayout": 0.00,
    "winningCelebration": null,
    "winningLines": [

    ],
    "winningLineAmounts": [

    ],
    "freeSpinState": {
        "playerFreeSpinId": "5d3ef3d0375baf45653ac0de",
        "freeSpinsRemaining": 3,
        "freeSpinsAwarded": 5,
        "totalWin": {
            "amount": "0.00",
            "currency": "USD",
            "pretty": "$ 0.00"
        },
        "stake": {
            "amount": "1.00",
            "currency": "USD",
            "pretty": "$ 1.00"
        },
        "noOfLines": 10,
        "pendingFreeSpinGameResponse": null
    },
```

```
    "unfinishedGame": null,
    "messages": null,
    "symbolCounts": {

    },
    "modifiedReelGrid": null,
    "lockedReels": null,
    "lockedPositions": 0,
    "freeSpinBonusPick": null,
    "messageDetails": null
}
```

RESPONSE SAMPLE SLOTS LAST AWARDED FREE SPIN SUCCESS

```
{
    "gameRoundId": "5d3efb7f375baf3a596c9abc",
    "status": "COMPLETE",
    "balance": {
        "cashBalance": {
            "amount": "500020.00",
            "currency": "USD",
            "pretty": "$ 500020.00"
        },
        "bonusBalance": {
            "amount": "0.00",
            "currency": "USD",
            "pretty": "$ 0.00"
        },
        "totalBalance": {
            "amount": "500020.00",
            "currency": "USD",
            "pretty": "$ 500020.00"
        },
        "playerWithhold": null
    },
    "demoPlay": false,
    "stakePerLine": {
        "amount": "1.00",
        "currency": "USD",
        "pretty": "$ 1.00"
    },
    "stakeAmount": null,
    "numberOfLines": 10,
    "symbolGrid": {
        "symbols": [
            [
                "LOW_1",
                "LOW_1",
                "LOW_5",
                "MID_2",
                "LOW_1"
            ],
            [
                "LOW_3",
                "HIGH_1",
```

```
        "LOW_3",
        "LOW_5",
        "MID_2"
      ],
      [
        "WILD",
        "MID_2",
        "MID_1",
        "LOW_1",
        "MID_1"
      ]
    ],
    "specialSymbolGrid": null,
    "expandedSpecialSymbolGrid": null,
    "expandedSpecialSymbolCount": 0
  },
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "spinPayout": 20.00,
  "totalPayout": 20.00,
  "winningCelebration": null,
  "winningLines": [
    3,
    5,
    8
  ],
  "winningLineAmounts": [
    5.00,
    10.00,
    5.00
  ],
  "freeSpinState": {
    "playerFreeSpinId": "5d3ef3d0375baf45653ac0de",
    "freeSpinsRemaining": 0,
    "freeSpinsAwarded": 5,
    "totalWin": {
      "amount": "20.00",
      "currency": "USD",
      "pretty": "$ 20.00"
    },
    "stake": {
      "amount": "1.00",
      "currency": "USD",
      "pretty": "$ 1.00"
    },
    "noOfLines": 10,
    "pendingFreeSpinGameResponse": null
  },
  "unfinishedGame": null,
  "messages": null,
  "symbolCounts": {
    "0": {
      "symbol": "MID_2",
      "count": 2,
```

```
      "symbolIndex": [
        2,
        2
      ]
    },
    "1": {
      "symbol": "HIGH_1",
      "count": 2,
      "symbolIndex": [
        2,
        1
      ]
    },
    "2": {
      "symbol": "MID_2",
      "count": 2,
      "symbolIndex": [
        2,
        2
      ]
    }
  },
  "modifiedReelGrid": null,
  "lockedReels": null,
  "lockedPositions": 0,
  "freeSpinBonusPick": null,
  "messageDetails": null
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "7003",
  "description": "Invalid Player Free Spin ID"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	Required	Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.
playerFreeSpinId	Required	Player free spin id provided in initialize response

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand

2002	Invalid game configuration
3000	Invalid game round
7002	Invalid Player for the campaign
7003	Invalid Player Free Spin ID

RICHES OF ATLANTIS BUY FREESPINS

BUY Freespins API for Riches of Atlantis which is invoked when player clicks on Buy Freespin button in the game client. Amount for the freespin would be stake per line selected * 10 * 80 where 80 is a constant and 10 is the number of lines. Once player buys the freespins, it would be continue calls which needs to be sent for each of the freespins.

ENDPOINT URL:

/api/games/roa/slots/freespin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameSkin": "riches-of-atlantis",
  "stake": {
    "currency": "USD",
    "amount": 1
  },
  "numberOfLines": 10
}
```

RESPONSE SAMPLE SLOTS INTERMEDIATE AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5d3f05d6375baf4786247ef3",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "499910.00",
      "currency": "USD",
      "pretty": "$ 499910.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "499910.00",
      "currency": "USD",
      "pretty": "$ 499910.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "1.00",
    "currency": "USD",
    "pretty": "$ 1.00"
  },
  "stakeAmount": null,
```

```json
    "numberOfLines": 10,
    "symbolGrid": {
      "symbols": [
        [
          "LOW_5",
          "LOW_3",
          "MID_2",
          "LOW_2",
          "MID_2"
        ],
        [
          "LOW_4",
          "LOW_5",
          "LOW_4",
          "LOW_5",
          "MID_1"
        ],
        [
          "LOW_2",
          "WILD",
          "WILD",
          "WILD",
          "LOW_3"
        ]
      ],
      "specialSymbolGrid": null,
      "expandedSpecialSymbolGrid": null,
      "expandedSpecialSymbolCount": 0
    },
    "freeSpinsRemaining": 10,
    "freeSpinsWon": 10,
    "bonusAwarded": "FREE_SPIN",
    "spinPayout": 20.00,
    "totalPayout": 20.00,
    "winningCelebration": null,
    "winningLines": [

    ],
    "winningLineAmounts": [

    ],
    "expandingSymbolWinningLines": [

    ],
    "expandingSymbolWinningLineAmounts": [

    ],
    "specialSymbolGrid": null,
    "expandedSpecialSymbolGrid": null,
    "specialSymbolCounts": null,
    "freeSpinState": null,
    "unfinishedGame": null,
    "messages": null,
    "symbolCounts": {
```

```
  },
  "messageDetails": null
}
```

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
stake- currency, amount	*Required*	*Bet Amount and currency*
numberOfLines	*Required*	*Number of Lines, 10 for Riches of Atlantis*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

243 WAYS GAME CONFIG

API to get the configuration of the slot game like reel layout, bonus configuration for 243 Ways game.

ENDPOINT URL:

/api/games/ways/slots/config?gameSkin=power-stones

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS

```json
{
  "autoSpinEnabled": false,
  "realityCheckEnabled": true,
  "depositUrl": "https://gs7.dev.markor.com/demo/index.html",
  "historyUrl": "https://gs7.dev.markor.com/demo/index.html",
  "domainName": "https://gs7.dev.markor.com/demo/index.html",
  "loginUrl": "https://gs7.dev.markor.com/demo/index.html",
  "demoPlayDepositUrl": "https://gs7.qa.markor.com/demo/index.html",
  "loader": "https://content.markor.com/content/all/images/cool-games.jpg",
  "winningCelebrations": [
    {
      "name": "bigwin",
      "stakeToWinningsRatioConsequent": 30
    },
    {
      "name": "hugewin",
      "stakeToWinningsRatioConsequent": 45
    },
    {
      "name": "gaintwin",
      "stakeToWinningsRatioConsequent": 60
    }
  ],
  "stakeConfig": {
    "GBP": {
      "minStake": 0.01,
      "maxStake": 1,
      "stakeLadder": [
        0.01,
        1
      ]
    },
    "USD": {
      "minStake": 0.01,
      "maxStake": 50,
      "stakeLadder": [
        0.01,
        0.05,
        0.1,
        0.5,
        1,
```

```
      50
    ]
  }
},
"paylineOffsets": null,
"gameConfiguration": {
  "name": null,
  "rtp": null,
  "winType": "ALL_WAYS",
  "maxPayWays": 243,
  "betMultiples": null,
  "reelLayouts": null,
  "symbolStakeMultipliers": null,
  "visibleRows": null,
  "noOfReels": 5,
  "scatterMultipliers": null,
  "bonusConfiguration": {
    "freeSpinConfiguration": {
      "freeSpinSymbolOccurrenceMultipliers": {

      },
      "reelLayouts": [

      ],
      "minimumFreeSpinSymbolsToWin": null,
      "freeSpinSymbol": "FG",
      "wildMultiplier": null
    }
  }
},
"showLobbyBtn": false,
"showFullscreenBtn": false,
"showDepositBtn": false,
"implementation": null
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

243 WAYS INITIALIZE

API to get all the basic player details like player account balances, reality check info, custom stake settings if any configured for the player. Game Play State object is null for regular plays. But if there are unfinished games, gamePlayState is returned with the unfinished game.

ENDPOINT URL:

/api/player/ways/initialise?gameSkin=power-stones

REQUEST METHOD: GET

RESPONSE SAMPLE SUCCESS WITH PENDING FREESPINS FOR GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "500000.00",
        "currency": "USD",
        "pretty": "$ 500000.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "500000.00",
        "currency": "USD",
        "pretty": "$ 500000.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 60,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "playerMaps": null,
    "message": null,
    "sessionElapsedTime": 3
  },
```

```
    "gamePlayState": null,
  "freeSpinState": {
    "playerFreeSpinId": "5d4179bd375baf3f2b67ba8d",
    "freeSpinsRemaining": 5,
    "freeSpinsAwarded": 5,
    "totalWin": null,
    "stake": {
      "amount": "50.00",
      "currency": "USD",
      "pretty": "$ 50.00"
    },
    "noOfLines": 1,
    "pendingFreeSpinGameResponse": null
  }
}
```

RESPONSE SAMPLE SUCCESS WITH UNFINISHED GAME

```
{
  "accountSettings": {
    "minStake": null,
    "maxStake": null,
    "currency": "USD",
    "wallet": {
      "cashBalance": {
        "amount": "499760.00",
        "currency": "USD",
        "pretty": "$ 499760.00"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "499760.00",
        "currency": "USD",
        "pretty": "$ 499760.00"
      },
      "playerWithhold": null
    },
    "rgSettings": {
      "realityCheckSettings": {
        "jurisdiction": null,
        "sessionLimit": 60,
        "elapsedTime": 0
      }
    },
    "regulations": [
      "UKGC"
    ],
    "stakeLadder": null,
    "playerMaps": null,
```

```
    "message": null,
    "sessionElapsedTime": 19
  },
  "gamePlayState": {
    "gameRoundId": "5d404c60375baf0c2ef0a265",
    "gameRoundState": null,
    "status": "IN_PROGRESS",
    "gameResponse": {
      "gameRoundId": "5d404c60375baf0c2ef0a265",
      "status": "IN_PROGRESS",
      "balance": {
        "cashBalance": {
          "amount": "498840.00",
          "currency": "USD",
          "pretty": "$ 498840.00"
        },
        "bonusBalance": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "$ 0.00"
        },
        "totalBalance": {
          "amount": "498840.00",
          "currency": "USD",
          "pretty": "$ 498840.00"
        },
        "playerWithhold": null
      },
      "demoPlay": false,
      "stakeAmount": {
        "amount": "50.00",
        "currency": "USD",
        "pretty": "$ 50.00"
      },
      "symbolGrid": {
        "symbols": [
          [
            "JJ",
            "BB",
            "JJ",
            "JJ",
            "FF"
          ],
          [
            "EE",
            "WC",
            "DD",
            "AA",
            "EE"
          ],
          [
            "GG",
            "GG",
            "DD",
            "AA",
```

```
          "JJ"
        ]
      ]
    },
    "freeSpinsRemaining": 9,
    "freeSpinsWon": 0,
    "bonusAwarded": "FREE_SPIN",
    "spinPayout": 100.00,
    "totalPayout": 1600.00,
    "winningCelebration": null,
    "freeSpinState": null,
    "unfinishedGame": null,
    "messages": null,
    "winningWays": [
      {
        "symbol": "JJ",
        "multiplier": 50,
        "payWays": 1,
        "noOfSymbolsByReel": [
          1,
          1,
          1,
          1,
          1
        ],
        "noOfWildsUsed": 1,
        "winnings": 100.00
      }
    ],
    "bonusMultipliers": {
      "1": 2,
      "2": 1,
      "3": 1
    },
    "messageDetails": null,
    "scatterWinnings": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    }
  }
  },
  "freeSpinState": null
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*

ERROR CODES

Code	Description
0000	Unknown internal error
2001	Game skin not associated to brand

243 WAYS SPIN

API to trigger the spin 243 Ways game. For Regular Spin, status is returned as COMPLETE with winning lines and amounts. When free spin is won, status is returned as IN_PROGRESS. Subsequent request for re spin should be a "CONTINUE" until the status is COMPLETE.

ENDPOINT URL:

/api/games/ways/slots/spin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameSkin": "power-stones",
  "stake": {
    "currency": "USD",
    "amount": 50
  }
}
```

RESPONSE SAMPLE SUCCESS

```
{
  "gameRoundId": "5d417bc6375baf3f46b40bfc",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "499990.00",
      "currency": "USD",
      "pretty": "$ 499990.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "499990.00",
      "currency": "USD",
      "pretty": "$ 499990.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakeAmount": {
    "amount": "50.00",
    "currency": "USD",
    "pretty": "$ 50.00"
  },
  "symbolGrid": {
    "symbols": [
      [
        "FF",
```

```json
          "DD",
          "WC",
          "AA",
          "LL"
        ],
        [
          "DD",
          "KK",
          "HH",
          "KK",
          "FF"
        ],
        [
          "KK",
          "FG",
          "BB",
          "GG",
          "DD"
        ]
      ]
    },
    "freeSpinsRemaining": 0,
    "freeSpinsWon": 0,
    "bonusAwarded": "NONE",
    "spinPayout": 40.00,
    "totalPayout": 40.00,
    "winningCelebration": null,
    "freeSpinState": null,
    "unfinishedGame": null,
    "messages": null,
    "winningWays": [
      {
        "symbol": "DD",
        "multiplier": 25,
        "payWays": 1,
        "noOfSymbolsByReel": [
          1,
          1,
          1
        ],
        "noOfWildsUsed": 1,
        "winnings": 25.000
      },
      {
        "symbol": "KK",
        "multiplier": 15,
        "payWays": 1,
        "noOfSymbolsByReel": [
          1,
          1,
          1,
          1
        ],
        "noOfWildsUsed": 1,
        "winnings": 15.000
```

```
    }
  ],
  "bonusMultipliers": {

  },
  "messageDetails": null,
  "scatterWinnings": {
    "amount": "0.00",
    "currency": "USD",
    "pretty": "$ 0.00"
  }
}
```

RESPONSE SAMPLE SUCCESS WITH FREESPIN

```
{
  "gameRoundId": "5d417ccd375baf3f46b40c28",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "499890.00",
      "currency": "USD",
      "pretty": "$ 499890.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "499890.00",
      "currency": "USD",
      "pretty": "$ 499890.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakeAmount": {
    "amount": "50.00",
    "currency": "USD",
    "pretty": "$ 50.00"
  },
  "symbolGrid": {
    "symbols": [
      [
        "FG",
        "FG",
        "EE",
        "BB",
        "FF"
      ],
      [
        "GG",
        "GG",
```

```
                "GG",
                "BB",
                "GG"
            ],
            [
                "FF",
                "DD",
                "FG",
                "KK",
                "DD"
            ]
        ]
    },
    "freeSpinsRemaining": 10,
    "freeSpinsWon": 10,
    "bonusAwarded": "FREE_SPIN",
    "spinPayout": 110.00,
    "totalPayout": 110.00,
    "winningCelebration": null,
    "freeSpinState": null,
    "unfinishedGame": null,
    "messages": null,
    "winningWays": [
        {
            "symbol": "GG",
            "multiplier": 10,
            "payWays": 1,
            "noOfSymbolsByReel": [
                1,
                1,
                1
            ],
            "noOfWildsUsed": 0,
            "winnings": 10.000
        }
    ],
    "bonusMultipliers": {

    },
    "messageDetails": null,
    "scatterWinnings": {
        "amount": "100.00",
        "currency": "USD",
        "pretty": "$ 100.00"
    }
}
```

RESPONSE SAMPLE FAILURE

```
{
    "code": "2001",
    "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
stake- currency, amount	*Required*	*Bet Amount and currency*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

243 WAYS CONTINUE

Freespin API which is invoked when re spins are won in the freespin feature. Continue request needs to be sent until the status is COMPLETE. All the free spins are bound to the same game round.

ENDPOINT URL:

/api/games/ways/slots/continue

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "gameRoundId": " 5cd95f95375baf160b7ca4b0",
  "gameSkin": "power-stones"
}
```

RESPONSE SAMPLE FOR FREESPIN

```
{
  "gameRoundId": "5d417ccd375baf3f46b40c28",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "499760.00",
      "currency": "USD",
      "pretty": "$ 499760.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "499760.00",
      "currency": "USD",
      "pretty": "$ 499760.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakeAmount": {
    "amount": "50.00",
    "currency": "USD",
    "pretty": "$ 50.00"
  },
  "symbolGrid": {
    "symbols": [
      [
        "AA",
        "HH",
        "DD",
        "WC",
```

```
          "BB"
       ],
       [
          "JJ",
          "AA",
          "GG",
          "GG",
          "JJ"
       ],
       [
          "EE",
          "AA",
          "CC",
          "KK",
          "LL"
       ]
     ]
   },
   "freeSpinsRemaining": 9,
   "freeSpinsWon": 0,
   "bonusAwarded": "FREE_SPIN",
   "spinPayout": 0.00,
   "totalPayout": 110.00,
   "winningCelebration": null,
   "freeSpinState": null,
   "unfinishedGame": null,
   "messages": null,
   "winningWays": [

   ],
   "bonusMultipliers": {
     "1": 5,
     "2": 1,
     "3": 1
   },
   "messageDetails": null,
   "scatterWinnings": {
     "amount": "0.00",
     "currency": "USD",
     "pretty": "$ 0.00"
   }
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
gameRoundId	*Required*	*Game Round of the triggering spin*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

243 WAYS AWARDED FREESPINS

Awarded Freespins API for 243 Ways game which is invoked when free spins are awarded by the operator and the player freespin id is passed as part of the initialize reponse. Freespins request needs to be sent until all the all the freespins awarded are played out by the player. The last free spin response would return if there are any unfinished games pending for the player and the current game

ENDPOINT URL:

/api/games/ways/slots/freespin

REQUEST METHOD: POST

REQUEST PAYLOAD

```
{
  "playerFreeSpinId": " "5d3ef3d0375baf45653ac0de",
  "gameSkin": "power-stones"
}
```

RESPONSE SAMPLE SLOTS INTERMEDIATE AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5d417b3d375baf3f46b40be0",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "500000.00",
      "currency": "USD",
      "pretty": "$ 500000.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "500000.00",
      "currency": "USD",
      "pretty": "$ 500000.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakeAmount": {
    "amount": "50.00",
    "currency": "USD",
    "pretty": "$ 50.00"
  },
  "symbolGrid": {
    "symbols": [
      [
        "EE",
```

```
            "JJ",
            "FF",
            "DD",
            "FF"
          ],
          [
            "EE",
            "FF",
            "EE",
            "DD",
            "FG"
          ],
          [
            "EE",
            "BB",
            "EE",
            "GG",
            "FF"
          ]
        ]
      },
      "freeSpinsRemaining": 0,
      "freeSpinsWon": 0,
      "bonusAwarded": "NONE",
      "spinPayout": 0.00,
      "totalPayout": 0.00,
      "winningCelebration": null,
      "freeSpinState": {
        "playerFreeSpinId": "5d4179bd375baf3f2b67ba8d",
        "freeSpinsRemaining": 3,
        "freeSpinsAwarded": 5,
        "totalWin": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "$ 0.00"
        },
        "stake": {
          "amount": "50.00",
          "currency": "USD",
          "pretty": "$ 50.00"
        },
        "noOfLines": 1,
        "pendingFreeSpinGameResponse": null
      },
      "unfinishedGame": null,
      "messages": null,
      "winningWays": [

      ],
      "bonusMultipliers": {

      },
      "messageDetails": null,
      "scatterWinnings": {
        "amount": "0.00",
```

```
        "currency": "USD",
        "pretty": "$ 0.00"
    }
}
```

RESPONSE SAMPLE SLOTS LAST AWARDED FREE SPIN SUCCESS

```
{
  "gameRoundId": "5d417b40375baf3f46b40be3",
  "status": "COMPLETE",
  "balance": {
    "cashBalance": {
      "amount": "500000.00",
      "currency": "USD",
      "pretty": "$ 500000.00"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "500000.00",
      "currency": "USD",
      "pretty": "$ 500000.00"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakeAmount": {
    "amount": "50.00",
    "currency": "USD",
    "pretty": "$ 50.00"
  },
  "symbolGrid": {
    "symbols": [
      [
        "LL",
        "FG",
        "FF",
        "BB",
        "FG"
      ],
      [
        "BB",
        "FF",
        "DD",
        "BB",
        "LL"
      ],
      [
        "BB",
        "KK",
        "DD",
        "BB",
```

```
        "FF"
      ]
    ]
  },
  "freeSpinsRemaining": 0,
  "freeSpinsWon": 0,
  "bonusAwarded": "NONE",
  "spinPayout": 0.00,
  "totalPayout": 0.00,
  "winningCelebration": null,
  "freeSpinState": {
    "playerFreeSpinId": "5d4179bd375baf3f2b67ba8d",
    "freeSpinsRemaining": 0,
    "freeSpinsAwarded": 5,
    "totalWin": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "stake": {
      "amount": "50.00",
      "currency": "USD",
      "pretty": "$ 50.00"
    },
    "noOfLines": 1,
    "pendingFreeSpinGameResponse": null
  },
  "unfinishedGame": {
    "gameRoundId": "5d404c60375baf0c2ef0a265",
    "gameRoundState": {
      "totalWinnings": {
        "amount": "1600.00",
        "currency": "USD",
        "pretty": "$ 1600.00"
      },
      "totalStake": {
        "amount": "50.00",
        "currency": "USD",
        "pretty": "$ 50.00"
      },
      "gameRoundStatus": "IN_PROGRESS",
      "gameRoundExtendedParams": null,
      "bonusAwarded": "FREE_SPIN",
      "bonusGameResults": [

      ],
      "spinResults": [
        {
          "scatterWinnings": {
            "amount": "100.00",
            "currency": "USD",
            "pretty": "$ 100.00"
          },
          "winnings": {
            "amount": "110.00",
```

```json
        "currency": "USD",
        "pretty": "$ 110.00"
      },
      "slotsBonusContext": {
        "freeSpinContext": {
          "awardedSpins": 10,
          "remainingSpins": 10
        },
        "freeSpinsRemaining": 10,
        "freeSpinsAwarded": 10
      },
      "bonusAwarded": "FREE_SPIN",
      "autoPlayout": false,
      "reelSpinnerResult": {
        "reelPositionGrid": {
          "reelPositions": [
            [
              45,
              108,
              75,
              70,
              50
            ],
            [
              46,
              109,
              76,
              71,
              51
            ],
            [
              47,
              110,
              77,
              72,
              52
            ]
          ],
          "rowCount": 3,
          "columnCount": 5,
          "topRow": [
            45,
            108,
            75,
            70,
            50
          ]
        },
        "symbolGrid": {
          "symbols": [
            [
              "FG",
              "WC",
              "CC",
              "KK",
```

```
              "EE"
            ],
            [
              "GG",
              "JJ",
              "GG",
              "FF",
              "GG"
            ],
            [
              "FF",
              "FG",
              "FG",
              "CC",
              "KK"
            ]
          ]
        }
      },
      "winningWays": [
        {
          "symbol": "GG",
          "multiplier": 10,
          "payWays": 1,
          "noOfSymbolsByReel": [
            1,
            1,
            1
          ],
          "noOfWildsUsed": 1,
          "winnings": 10.000
        }
      ],
      "symbolCounts": {

      },
      "selectedReel": "BG-2",
      "bonusMultipliers": {

      },
      "topVisibleRowReelStops": [
        45,
        108,
        75,
        70,
        50
      ],
      "freeSpinsRemaining": 10,
      "freeSpinsAwarded": 10
    },
    {
      "scatterWinnings": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
```

```
        },
        "winnings": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "$ 0.00"
        },
        "slotsBonusContext": {
          "freeSpinContext": {
            "awardedSpins": 0,
            "remainingSpins": 9
          },
          "freeSpinsRemaining": 9,
          "freeSpinsAwarded": 0
        },
        "bonusAwarded": "FREE_SPIN",
        "autoPlayout": false,
        "reelSpinnerResult": {
          "reelPositionGrid": {
            "reelPositions": [
              [
                104,
                40,
                6,
                110,
                18
              ],
              [
                105,
                41,
                7,
                111,
                19
              ],
              [
                106,
                42,
                8,
                112,
                20
              ]
            ],
            "rowCount": 3,
            "columnCount": 5,
            "topRow": [
              104,
              40,
              6,
              110,
              18
            ]
          },
          "symbolGrid": {
            "symbols": [
              [
                "KK",
```

```
                    "GG",
                    "BB",
                    "KK",
                    "LL"
                ],
                [
                    "DD",
                    "EE",
                    "GG",
                    "AA",
                    "BB"
                ],
                [
                    "HH",
                    "LL",
                    "EE",
                    "GG",
                    "JJ"
                ]
            ]
        }
    },
    "winningWays": [

    ],
    "symbolCounts": {

    },
    "selectedReel": null,
    "bonusMultipliers": {
        "1": 1,
        "2": 1,
        "3": 1
    },
    "topVisibleRowReelStops": [
        104,
        40,
        6,
        110,
        18
    ],
    "freeSpinsRemaining": 9,
    "freeSpinsAwarded": 0
},
{
    "scatterWinnings": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
    },
    "winnings": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
    },
```

```
        "slotsBonusContext": {
          "freeSpinContext": {
            "awardedSpins": 0,
            "remainingSpins": 8
          },
          "freeSpinsRemaining": 8,
          "freeSpinsAwarded": 0
        },
        "bonusAwarded": "FREE_SPIN",
        "autoPlayout": false,
        "reelSpinnerResult": {
          "reelPositionGrid": {
            "reelPositions": [
              [
                105,
                112,
                9,
                46,
                122
              ],
              [
                106,
                113,
                10,
                47,
                123
              ],
              [
                107,
                114,
                11,
                48,
                124
              ]
            ],
            "rowCount": 3,
            "columnCount": 5,
            "topRow": [
              105,
              112,
              9,
              46,
              122
            ]
          },
          "symbolGrid": {
            "symbols": [
              [
                "DD",
                "GG",
                "EE",
                "LL",
                "FF"
              ],
              [
```

```
                    "HH",
                    "DD",
                    "FF",
                    "FG",
                    "DD"
                ],
                [
                    "JJ",
                    "DD",
                    "BB",
                    "GG",
                    "FF"
                ]
            ]
        }
    },
    "winningWays": [

    ],
    "symbolCounts": {

    },
    "selectedReel": null,
    "bonusMultipliers": {
        "1": 1,
        "2": 1,
        "3": 1
    },
    "topVisibleRowReelStops": [
        105,
        112,
        9,
        46,
        122
    ],
    "freeSpinsRemaining": 8,
    "freeSpinsAwarded": 0
},
{
    "scatterWinnings": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
    },
    "winnings": {
        "amount": "1200.00",
        "currency": "USD",
        "pretty": "$ 1200.00"
    },
    "slotsBonusContext": {
        "freeSpinContext": {
            "awardedSpins": 0,
            "remainingSpins": 7
        },
        "freeSpinsRemaining": 7,
```

```
        "freeSpinsAwarded": 0
      },
      "bonusAwarded": "FREE_SPIN",
      "autoPlayout": false,
      "reelSpinnerResult": {
        "reelPositionGrid": {
          "reelPositions": [
            [
              41,
              122,
              83,
              76,
              49
            ],
            [
              42,
              123,
              84,
              77,
              50
            ],
            [
              43,
              124,
              85,
              78,
              51
            ]
          ],
          "rowCount": 3,
          "columnCount": 5,
          "topRow": [
            41,
            122,
            83,
            76,
            49
          ]
        },
        "symbolGrid": {
          "symbols": [
            [
              "AA",
              "AA",
              "WC",
              "BB",
              "DD"
            ],
            [
              "LL",
              "AA",
              "LL",
              "LL",
              "LL"
            ],
```

```json
            [
              "AA",
              "AA",
              "EE",
              "BB",
              "JJ"
            ]
          ]
        }
      },
      "winningWays": [
        {
          "symbol": "AA",
          "multiplier": 50,
          "payWays": 6,
          "noOfSymbolsByReel": [
            2,
            3,
            1
          ],
          "noOfWildsUsed": 1,
          "winnings": 1200.00
        }
      ],
      "symbolCounts": {

      },
      "selectedReel": null,
      "bonusMultipliers": {
        "1": 4,
        "2": 1,
        "3": 1
      },
      "topVisibleRowReelStops": [
        41,
        122,
        83,
        76,
        49
      ],
      "freeSpinsRemaining": 7,
      "freeSpinsAwarded": 0
    },
    {
      "scatterWinnings": {
        "amount": "100.00",
        "currency": "USD",
        "pretty": "$ 100.00"
      },
      "winnings": {
        "amount": "110.00",
        "currency": "USD",
        "pretty": "$ 110.00"
      },
      "slotsBonusContext": {
```

```json
      "freeSpinContext": {
        "awardedSpins": 10,
        "remainingSpins": 16
      },
      "freeSpinsRemaining": 16,
      "freeSpinsAwarded": 10
    },
    "bonusAwarded": "FREE_SPIN",
    "autoPlayout": false,
    "reelSpinnerResult": {
      "reelPositionGrid": {
        "reelPositions": [
          [
            49,
            109,
            33,
            35,
            44
          ],
          [
            50,
            110,
            34,
            36,
            45
          ],
          [
            51,
            111,
            35,
            37,
            46
          ]
        ],
        "rowCount": 3,
        "columnCount": 5,
        "topRow": [
          49,
          109,
          33,
          35,
          44
        ]
      },
      "symbolGrid": {
        "symbols": [
          [
            "BB",
            "KK",
            "FG",
            "KK",
            "FF"
          ],
          [
            "LL",
```

```
                    "FG",
                    "HH",
                    "BB",
                    "JJ"
                  ],
                  [
                    "FG",
                    "WC",
                    "LL",
                    "BB",
                    "DD"
                  ]
                ]
              }
            },
            "winningWays": [
              {
                "symbol": "LL",
                "multiplier": 5,
                "payWays": 1,
                "noOfSymbolsByReel": [
                  1,
                  1,
                  1
                ],
                "noOfWildsUsed": 1,
                "winnings": 10.000
              }
            ],
            "symbolCounts": {

            },
            "selectedReel": null,
            "bonusMultipliers": {
              "1": 2,
              "2": 1,
              "3": 1
            },
            "topVisibleRowReelStops": [
              49,
              109,
              33,
              35,
              44
            ],
            "freeSpinsRemaining": 16,
            "freeSpinsAwarded": 10
          },
          {
            "scatterWinnings": {
              "amount": "0.00",
              "currency": "USD",
              "pretty": "$ 0.00"
            },
            "winnings": {
```

```
      "amount": "80.00",
      "currency": "USD",
      "pretty": "$ 80.00"
    },
    "slotsBonusContext": {
      "freeSpinContext": {
        "awardedSpins": 0,
        "remainingSpins": 15
      },
      "freeSpinsRemaining": 15,
      "freeSpinsAwarded": 0
    },
    "bonusAwarded": "FREE_SPIN",
    "autoPlayout": false,
    "reelSpinnerResult": {
      "reelPositionGrid": {
        "reelPositions": [
          [
            44,
            53,
            39,
            40,
            65
          ],
          [
            45,
            54,
            40,
            41,
            66
          ],
          [
            46,
            55,
            41,
            42,
            67
          ]
        ],
        "rowCount": 3,
        "columnCount": 5,
        "topRow": [
          44,
          53,
          39,
          40,
          65
        ]
      },
      "symbolGrid": {
        "symbols": [
          [
            "JJ",
            "WC",
            "KK",
```

```
                    "WC",
                    "LL"
                  ],
                  [
                    "EE",
                    "GG",
                    "DD",
                    "GG",
                    "FG"
                  ],
                  [
                    "FF",
                    "EE",
                    "FF",
                    "DD",
                    "JJ"
                  ]
                ]
              }
            },
            "winningWays": [
              {
                "symbol": "FF",
                "multiplier": 20,
                "payWays": 1,
                "noOfSymbolsByReel": [
                  1,
                  1,
                  1,
                  1
                ],
                "noOfWildsUsed": 2,
                "winnings": 80.000
              }
            ],
            "symbolCounts": {

            },
            "selectedReel": null,
            "bonusMultipliers": {
              "1": 2,
              "2": 2,
              "3": 1
            },
            "topVisibleRowReelStops": [
              44,
              53,
              39,
              40,
              65
            ],
            "freeSpinsRemaining": 15,
            "freeSpinsAwarded": 0
          },
          {
```

```
        "scatterWinnings": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "$ 0.00"
        },
        "winnings": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "$ 0.00"
        },
        "slotsBonusContext": {
          "freeSpinContext": {
            "awardedSpins": 0,
            "remainingSpins": 14
          },
          "freeSpinsRemaining": 14,
          "freeSpinsAwarded": 0
        },
        "bonusAwarded": "FREE_SPIN",
        "autoPlayout": false,
        "reelSpinnerResult": {
          "reelPositionGrid": {
            "reelPositions": [
              [
                57,
                59,
                38,
                73,
                70
              ],
              [
                58,
                60,
                39,
                74,
                71
              ],
              [
                59,
                61,
                40,
                75,
                72
              ]
            ],
            "rowCount": 3,
            "columnCount": 5,
            "topRow": [
              57,
              59,
              38,
              73,
              70
            ]
          },
```

```
    "symbolGrid": {
      "symbols": [
        [
          "JJ",
          "BB",
          "EE",
          "JJ",
          "GG"
        ],
        [
          "FG",
          "JJ",
          "KK",
          "EE",
          "DD"
        ],
        [
          "LL",
          "WC",
          "DD",
          "JJ",
          "LL"
        ]
      ]
    }
  },
  "winningWays": [

  ],
  "symbolCounts": {

  },
  "selectedReel": null,
  "bonusMultipliers": {
    "1": 2,
    "2": 1,
    "3": 1
  },
  "topVisibleRowReelStops": [
    57,
    59,
    38,
    73,
    70
  ],
  "freeSpinsRemaining": 14,
  "freeSpinsAwarded": 0
},
{
  "scatterWinnings": {
    "amount": "0.00",
    "currency": "USD",
    "pretty": "$ 0.00"
  },
  "winnings": {
```

```
          "amount": "0.00",
          "currency": "USD",
          "pretty": "$ 0.00"
        },
        "slotsBonusContext": {
          "freeSpinContext": {
            "awardedSpins": 0,
            "remainingSpins": 13
          },
          "freeSpinsRemaining": 13,
          "freeSpinsAwarded": 0
        },
        "bonusAwarded": "FREE_SPIN",
        "autoPlayout": false,
        "reelSpinnerResult": {
          "reelPositionGrid": {
            "reelPositions": [
              [
                82,
                86,
                53,
                81,
                81
              ],
              [
                83,
                87,
                54,
                82,
                82
              ],
              [
                84,
                88,
                55,
                83,
                83
              ]
            ],
            "rowCount": 3,
            "columnCount": 5,
            "topRow": [
              82,
              86,
              53,
              81,
              81
            ]
          },
          "symbolGrid": {
            "symbols": [
              [
                "EE",
                "FF",
                "BB",
```

```json
                "KK",
                "KK"
              ],
              [
                "EE",
                "WC",
                "GG",
                "LL",
                "BB"
              ],
              [
                "LL",
                "LL",
                "BB",
                "WC",
                "BB"
              ]
            ]
          }
        },
        "winningWays": [

        ],
        "symbolCounts": {

        },
        "selectedReel": null,
        "bonusMultipliers": {
          "1": 3,
          "2": 2,
          "3": 1
        },
        "topVisibleRowReelStops": [
          82,
          86,
          53,
          81,
          81
        ],
        "freeSpinsRemaining": 13,
        "freeSpinsAwarded": 0
      },
      {
        "scatterWinnings": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "$ 0.00"
        },
        "winnings": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "$ 0.00"
        },
        "slotsBonusContext": {
          "freeSpinContext": {
```

```
      "awardedSpins": 0,
      "remainingSpins": 12
    },
    "freeSpinsRemaining": 12,
    "freeSpinsAwarded": 0
  },
  "bonusAwarded": "FREE_SPIN",
  "autoPlayout": false,
  "reelSpinnerResult": {
    "reelPositionGrid": {
      "reelPositions": [
        [
          54,
          99,
          96,
          106,
          67
        ],
        [
          55,
          100,
          97,
          107,
          68
        ],
        [
          56,
          101,
          98,
          108,
          69
        ]
      ],
      "rowCount": 3,
      "columnCount": 5,
      "topRow": [
        54,
        99,
        96,
        106,
        67
      ]
    },
    "symbolGrid": {
      "symbols": [
        [
          "EE",
          "WC",
          "GG",
          "FG",
          "JJ"
        ],
        [
          "EE",
          "LL",
```

```json
                    "FG",
                    "JJ",
                    "KK"
                ],
                [
                    "EE",
                    "FG",
                    "HH",
                    "AA",
                    "DD"
                ]
            ]
        }
    },
    "winningWays": [

    ],
    "symbolCounts": {

    },
    "selectedReel": null,
    "bonusMultipliers": {
        "1": 4,
        "2": 1,
        "3": 1
    },
    "topVisibleRowReelStops": [
        54,
        99,
        96,
        106,
        67
    ],
    "freeSpinsRemaining": 12,
    "freeSpinsAwarded": 0
},
{
    "scatterWinnings": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
    },
    "winnings": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
    },
    "slotsBonusContext": {
        "freeSpinContext": {
            "awardedSpins": 0,
            "remainingSpins": 11
        },
        "freeSpinsRemaining": 11,
        "freeSpinsAwarded": 0
    },
```

```
        "bonusAwarded": "FREE_SPIN",
        "autoPlayout": false,
        "reelSpinnerResult": {
          "reelPositionGrid": {
            "reelPositions": [
              [
                60,
                0,
                76,
                85,
                5
              ],
              [
                61,
                1,
                77,
                86,
                6
              ],
              [
                62,
                2,
                78,
                87,
                7
              ]
            ],
            "rowCount": 3,
            "columnCount": 5,
            "topRow": [
              60,
              0,
              76,
              85,
              5
            ]
          },
          "symbolGrid": {
            "symbols": [
              [
                "BB",
                "JJ",
                "LL",
                "DD",
                "LL"
              ],
              [
                "HH",
                "EE",
                "CC",
                "DD",
                "KK"
              ],
              [
                "BB",
```

```
                "EE",
                "CC",
                "KK",
                "CC"
            ]
        ]
    }
},
"winningWays": [

],
"symbolCounts": {

},
"selectedReel": null,
"bonusMultipliers": {
    "1": 1,
    "2": 1,
    "3": 1
},
"topVisibleRowReelStops": [
    60,
    0,
    76,
    85,
    5
],
"freeSpinsRemaining": 11,
"freeSpinsAwarded": 0
},
{
    "scatterWinnings": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
    },
    "winnings": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
    },
    "slotsBonusContext": {
        "freeSpinContext": {
            "awardedSpins": 0,
            "remainingSpins": 10
        },
        "freeSpinsRemaining": 10,
        "freeSpinsAwarded": 0
    },
    "bonusAwarded": "FREE_SPIN",
    "autoPlayout": false,
    "reelSpinnerResult": {
        "reelPositionGrid": {
            "reelPositions": [
                [
```

```
          112,
          10,
          114,
          63,
          31
        ],
        [
          113,
          11,
          115,
          64,
          32
        ],
        [
          114,
          12,
          116,
          65,
          33
        ]
      ],
      "rowCount": 3,
      "columnCount": 5,
      "topRow": [
        112,
        10,
        114,
        63,
        31
      ]
    },
    "symbolGrid": {
      "symbols": [
        [
          "BB",
          "CC",
          "CC",
          "HH",
          "FG"
        ],
        [
          "JJ",
          "CC",
          "FF",
          "KK",
          "FF"
        ],
        [
          "EE",
          "HH",
          "EE",
          "AA",
          "JJ"
        ]
      ]
```

```
      }
    },
    "winningWays": [

    ],
    "symbolCounts": {

    },
    "selectedReel": null,
    "bonusMultipliers": {
      "1": 1,
      "2": 1,
      "3": 1
    },
    "topVisibleRowReelStops": [
      112,
      10,
      114,
      63,
      31
    ],
    "freeSpinsRemaining": 10,
    "freeSpinsAwarded": 0
  },
  {
    "scatterWinnings": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "winnings": {
      "amount": "100.00",
      "currency": "USD",
      "pretty": "$ 100.00"
    },
    "slotsBonusContext": {
      "freeSpinContext": {
        "awardedSpins": 0,
        "remainingSpins": 9
      },
      "freeSpinsRemaining": 9,
      "freeSpinsAwarded": 0
    },
    "bonusAwarded": "FREE_SPIN",
    "autoPlayout": false,
    "reelSpinnerResult": {
      "reelPositionGrid": {
        "reelPositions": [
          [
            91,
            17,
            71,
            107,
            124
          ],
```

```
            [
              92,
              18,
              72,
              108,
              125
            ],
            [
              93,
              19,
              73,
              109,
              126
            ]
          ],
          "rowCount": 3,
          "columnCount": 5,
          "topRow": [
            91,
            17,
            71,
            107,
            124
          ]
        },
        "symbolGrid": {
          "symbols": [
            [
              "JJ",
              "BB",
              "JJ",
              "JJ",
              "FF"
            ],
            [
              "EE",
              "WC",
              "DD",
              "AA",
              "EE"
            ],
            [
              "GG",
              "GG",
              "DD",
              "AA",
              "JJ"
            ]
          ]
        }
      },
      "winningWays": [
        {
          "symbol": "JJ",
          "multiplier": 50,
```

```
          "payWays": 1,
          "noOfSymbolsByReel": [
            1,
            1,
            1,
            1,
            1
          ],
          "noOfWildsUsed": 1,
          "winnings": 100.00
        }
      ],
      "symbolCounts": {

      },
      "selectedReel": null,
      "bonusMultipliers": {
        "1": 2,
        "2": 1,
        "3": 1
      },
      "topVisibleRowReelStops": [
        91,
        17,
        71,
        107,
        124
      ],
      "freeSpinsRemaining": 9,
      "freeSpinsAwarded": 0
    }
  ],
  "expandingReels": [

  ],
  "gameParams": {
    "stakePerLine": null,
    "payLineCount": null,
    "stakeAmount": {
      "amount": "50.00",
      "currency": "USD",
      "pretty": "$ 50.00"
    }
  },
  "latestSpinResult": {
    "scatterWinnings": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "winnings": {
      "amount": "100.00",
      "currency": "USD",
      "pretty": "$ 100.00"
    },
```

```
    "slotsBonusContext": {
      "freeSpinContext": {
        "awardedSpins": 0,
        "remainingSpins": 9
      },
      "freeSpinsRemaining": 9,
      "freeSpinsAwarded": 0
    },
    "bonusAwarded": "FREE_SPIN",
    "autoPlayout": false,
    "reelSpinnerResult": {
      "reelPositionGrid": {
        "reelPositions": [
          [
            91,
            17,
            71,
            107,
            124
          ],
          [
            92,
            18,
            72,
            108,
            125
          ],
          [
            93,
            19,
            73,
            109,
            126
          ]
        ],
        "rowCount": 3,
        "columnCount": 5,
        "topRow": [
          91,
          17,
          71,
          107,
          124
        ]
      },
      "symbolGrid": {
        "symbols": [
          [
            "JJ",
            "BB",
            "JJ",
            "JJ",
            "FF"
          ],
          [
```

```json
                "EE",
                "WC",
                "DD",
                "AA",
                "EE"
            ],
            [
                "GG",
                "GG",
                "DD",
                "AA",
                "JJ"
            ]
        ]
    }
},
"winningWays": [
    {
        "symbol": "JJ",
        "multiplier": 50,
        "payWays": 1,
        "noOfSymbolsByReel": [
            1,
            1,
            1,
            1,
            1
        ],
        "noOfWildsUsed": 1,
        "winnings": 100.00
    }
],
"symbolCounts": {

},
"selectedReel": null,
"bonusMultipliers": {
    "1": 2,
    "2": 1,
    "3": 1
},
"topVisibleRowReelStops": [
    91,
    17,
    71,
    107,
    124
],
"freeSpinsRemaining": 9,
"freeSpinsAwarded": 0
    }
},
"status": "IN_PROGRESS",
"gameResponse": {
    "gameRoundId": "5d404c60375baf0c2ef0a265",
```

```json
      "status": "IN_PROGRESS",
      "balance": {
        "cashBalance": {
          "amount": "498840.00",
          "currency": "USD",
          "pretty": "$ 498840.00"
        },
        "bonusBalance": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "$ 0.00"
        },
        "totalBalance": {
          "amount": "498840.00",
          "currency": "USD",
          "pretty": "$ 498840.00"
        },
        "playerWithhold": null
      },
      "demoPlay": false,
      "stakeAmount": {
        "amount": "50.00",
        "currency": "USD",
        "pretty": "$ 50.00"
      },
      "symbolGrid": {
        "symbols": [
          [
            "JJ",
            "BB",
            "JJ",
            "JJ",
            "FF"
          ],
          [
            "EE",
            "WC",
            "DD",
            "AA",
            "EE"
          ],
          [
            "GG",
            "GG",
            "DD",
            "AA",
            "JJ"
          ]
        ]
      },
      "freeSpinsRemaining": 9,
      "freeSpinsWon": 0,
      "bonusAwarded": "FREE_SPIN",
      "spinPayout": 100.00,
      "totalPayout": 1600.00,
```

```json
      "winningCelebration": null,
      "freeSpinState": null,
      "unfinishedGame": null,
      "messages": null,
      "winningWays": [
        {
          "symbol": "JJ",
          "multiplier": 50,
          "payWays": 1,
          "noOfSymbolsByReel": [
            1,
            1,
            1,
            1,
            1
          ],
          "noOfWildsUsed": 1,
          "winnings": 100.00
        }
      ],
      "bonusMultipliers": {
        "1": 2,
        "2": 1,
        "3": 1
      },
      "messageDetails": null,
      "scatterWinnings": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      }
    }
  },
  "messages": null,
  "winningWays": [

  ],
  "bonusMultipliers": {

  },
  "messageDetails": null,
  "scatterWinnings": {
    "amount": "0.00",
    "currency": "USD",
    "pretty": "$ 0.00"
  }
}
```

RESPONSE SAMPLE FAILURE

```json
{
  "code": "7003",
  "description": "Invalid Player Free Spin ID"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
playerFreeSpinId	*Required*	*Player free spin id provided in initialize response*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round
7002	Invalid Player for the campaign
7003	Invalid Player Free Spin ID

HISTORY API

History API which is invoked when game client wants to show history for the player for that particular game

A new flag has been added in the Config JS object in the index based on which history tab should be enabled or disabled.

enableGameHistory: "true"

ENDPOINT URL:

/api/player/history?gameSkin=candy-swap&startDate=2020-06-07T11:30:00.000Z&endDate=2020-06-10T11:30:00.000Z&page=0&size=10

/api/player/history?gameSkin=candy-swap&startDate=2020-06-07T11:30:00.000Z&endDate=2020-06-10T11:30:00.000Z&page=1&size=10

REQUEST METHOD: GET

RESPONSE SAMPLE FOR HISTORY API

```
{
  "content": [
    {
      "gameRoundId": "5eddb775375baf7c033ff996",
      "dateTimeInMillis": 1591588725523,
      "totalWinnings": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalStake": {
        "amount": "0.09",
        "currency": "USD",
        "pretty": "$ 0.09"
      },
      "balanceAfter": {
        "cashBalance": {
          "amount": "999.91",
          "currency": "USD",
          "pretty": "$ 999.91"
        },
        "bonusBalance": {
          "amount": "0.00",
          "currency": "USD",
          "pretty": "$ 0.00"
        },
        "totalBalance": {
          "amount": "999.91",
          "currency": "USD",
          "pretty": "$ 999.91"
        },
```

```json
      "playerWithhold": null
    },
    "status": "COMPLETE"
  },
  {
    "gameRoundId": "5edf48c9375baf64d3be7f5b",
    "dateTimeInMillis": 1591691465816,
    "totalWinnings": {
      "amount": "0.04",
      "currency": "USD",
      "pretty": "$ 0.04"
    },
    "totalStake": {
      "amount": "0.09",
      "currency": "USD",
      "pretty": "$ 0.09"
    },
    "balanceAfter": {
      "cashBalance": {
        "amount": "999.95",
        "currency": "USD",
        "pretty": "$ 999.95"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "999.95",
        "currency": "USD",
        "pretty": "$ 999.95"
      },
      "playerWithhold": null
    },
    "status": "COMPLETE"
  },
  {
    "gameRoundId": "5edf48ef375baf64d3be7f72",
    "dateTimeInMillis": 1591691503689,
    "totalWinnings": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalStake": {
      "amount": "0.09",
      "currency": "USD",
      "pretty": "$ 0.09"
    },
    "balanceAfter": {
      "cashBalance": {
        "amount": "999.37",
        "currency": "USD",
        "pretty": "$ 999.37"
```

```
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "999.37",
        "currency": "USD",
        "pretty": "$ 999.37"
      },
      "playerWithhold": null
    },
    "status": "COMPLETE"
  }
],
"pageable": {
  "sort": {
    "sorted": false,
    "unsorted": true
  },
  "pageNumber": 0,
  "pageSize": 10,
  "offset": 0,
  "paged": true,
  "unpaged": false
},
"last": false,
"totalPages": 3,
"totalElements": 22,
"first": true,
"sort": {
  "sorted": false,
  "unsorted": true
},
"numberOfElements": 10,
"size": 10,
"number": 0
}
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameSkin	*Required*	*Used to uniquely identify the brand with in Markor RGS. Markor Tech to share the skin codes for each game.*
startDate	*Required*	*Start Date*
endDate	*Required*	*End Date*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

GAME ROUND DETAILS API

Game Round Details API which is invoked when game client wants to pull details for a particular game round

ENDPOINT URL:

/api/player/game-round-details/5ed60a0a375baf77b660237b

REQUEST METHOD: GET

RESPONSE SAMPLE FOR GAME ROUND DETAILS

```
[
  {
    "gameRoundId": "5ed60a0a375baf77b660237b",
    "status": "IN_PROGRESS",
    "balance": {
      "cashBalance": {
        "amount": "1000.19",
        "currency": "USD",
        "pretty": "$ 1000.19"
      },
      "bonusBalance": {
        "amount": "0.00",
        "currency": "USD",
        "pretty": "$ 0.00"
      },
      "totalBalance": {
        "amount": "1000.19",
        "currency": "USD",
        "pretty": "$ 1000.19"
      },
      "playerWithhold": null
    },
    "demoPlay": false,
    "stakePerLine": {
      "amount": "0.01",
      "currency": "USD",
      "pretty": "$ 0.01"
    },
    "stakeAmount": null,
    "numberOfLines": 9,
    "reelStops": [
      8,
      8,
      8,
      4,
      4
    ],
    "freeSpinsRemaining": 10,
    "freeSpinsWon": 10,
    "bonusAwarded": "FREE_SPIN",
    "spinPayout": 0.05,
```

```
  "totalPayout": 0.05,
  "winningCelebration": null,
  "winningLines": [
    7
  ],
  "winningLineAmounts": [
    0.05
  ],
  "winningWays": [

  ],
  "stickyWildsItems": null,
  "wheelBonus": null,
  "expandingReels": [

  ],
  "isGambleEligible": false,
  "gambleAttemptsLeft": 0,
  "freeSpinState": null,
  "unfinishedGame": null,
  "messages": null,
  "messageDetails": null,
  "symbolCounts": {
    "0": {
      "symbol": "H",
      "count": 3,
      "symbolIndex": [
        2,
        2,
        1
      ]
    }
  },
  "roundReelSets": [
    {
      "symbols": [
        [
          "FREE_SPIN",
          "FREE_SPIN",
          "FREE_SPIN",
          "J",
          "A"
        ],
        [
          "F",
          "I",
          "H",
          "G",
          "G"
        ],
        [
          "H",
          "H",
          "G",
          "D",
```

```
                "D"
            ]
        ]
    }
  ]
},
{
  "gameRoundId": "5ed60a0a375baf77b660237b",
  "status": "IN_PROGRESS",
  "balance": {
    "cashBalance": {
      "amount": "1000.19",
      "currency": "USD",
      "pretty": "$ 1000.19"
    },
    "bonusBalance": {
      "amount": "0.00",
      "currency": "USD",
      "pretty": "$ 0.00"
    },
    "totalBalance": {
      "amount": "1000.19",
      "currency": "USD",
      "pretty": "$ 1000.19"
    },
    "playerWithhold": null
  },
  "demoPlay": false,
  "stakePerLine": {
    "amount": "0.01",
    "currency": "USD",
    "pretty": "$ 0.01"
  },
  "stakeAmount": null,
  "numberOfLines": 9,
  "reelStops": [
    7,
    6,
    101,
    38,
    111
  ],
  "freeSpinsRemaining": 9,
  "freeSpinsWon": 0,
  "bonusAwarded": "FREE_SPIN",
  "spinPayout": 0.50,
  "totalPayout": 0.55,
  "winningCelebration": null,
  "winningLines": [
    4
  ],
  "winningLineAmounts": [
    0.50
  ],
  "winningWays": [
```

```
  ],
  "stickyWildsItems": null,
  "wheelBonus": null,
  "expandingReels": [

  ],
  "isGambleEligible": false,
  "gambleAttemptsLeft": 0,
  "freeSpinState": null,
  "unfinishedGame": null,
  "messages": null,
  "messageDetails": null,
  "symbolCounts": {
    "0": {
      "symbol": "J",
      "count": 5,
      "symbolIndex": [
        0,
        1,
        2,
        1,
        0
      ]
    }
  },
  "roundReelSets": [
    {
      "symbols": [
        [
          "FREE_SPIN",
          "FREE_SPIN",
          "FREE_SPIN",
          "J",
          "A"
        ],
        [
          "F",
          "I",
          "H",
          "G",
          "G"
        ],
        [
          "H",
          "H",
          "G",
          "D",
          "D"
        ]
      ]
    },
    {
      "symbols": [
        [
```

```
            "J",
            "D",
            "G",
            "F",
            "J"
          ],
          [
            "FREE_SPIN",
            "J",
            "D",
            "J",
            "E"
          ],
          [
            "F",
            "FREE_SPIN",
            "J",
            "H",
            "F"
          ]
        ]
      }
    ]
  }
]
```

RESPONSE SAMPLE FAILURE

```
{
  "code": "2001",
  "description": "Game skin not associated to brand"
}
```

REQUEST PAYLOAD PARAMETERS

Parameter	Required / Optional	Description
gameRoundID	*Required*	*Game RoundID*

ERROR CODES

Code	Description
0000	Unknown internal error
0001	Invalid state
1000	Game session not found
1001	Game session expired
2001	Game skin not associated to brand
2002	Invalid game configuration
3000	Invalid game round

CONFIGURATION

Following are the brands and skins configured in Markor RGS

BRANDS:

BRAND NAME	UID
TEST BRAND	TEST-BRAND

REGULATIONS:

REGULATION NAME	CODE
UKGC	UK
US	US
Sweden	SE

LANGUAGES:

LANGUAGE NAME	CODE
English	en
Chinese	zh
Swedish	sv

SKINS:

SKIN NAME	UID	TYPE
Gunslingers Gold	gunslingers-gold	SLOTS
Dragon's Dynasty	dragons-dynasty	SLOTS
Candy Swap	candy-swap	SLOTS
Pearls Fortune	pearls-fortune	SLOTS
Plucky Pirates	plucky-pirates	SLOTS
Meow Money	meow-money	SLOTS
Mayan Marvels	mayan-marvels	SLOTS
Fiesta	fiesta	SLOTS
Best of British	best-of-british	SLOTS
Get Fruity	get-fruity	SLOTS
Carnival Cup	carnival-cup	SLOTS
Heroic Eye of Dragon	heroic	SLOTS
Cave Raiders HD	cave-raiders-deluxe	SLOTS
Cave Raiders	cave-raiders	SLOTS
Magic Touch	magic-touch	SLOTS
Mummy Gold	mummy-gold	SLOTS
Shamrock n Roll	shamrock-n-roll	SLOTS
Loaded P.I.	loaded-pi	SLOTS
Big 5 Safari	big-five	SLOTS
Trolls Tale	trolls-tale	SLOTS
Rhino Mite	rhino-mite	SLOTS
IScream Keno	iscream-keno	KENO
Mahjong Girl	mahjong-girl	SLOTS
Fortune Door	fortune-door	SLOTS
Classic-Vegas	classic-vegas	SLOTS
Atlantis Keno	atlantis-keno	KENO

Lucky Cherry Keno	lucky-cherry-keno	KENO
Rank Up Dragon	rank-up-dragon	SLOTS
Wolf Territory	wolf-territory	SLOTS
Power Wizard	power-wizard	SLOTS
God of the Sea	god-of-sea	SLOTS
Three Kingdom Legendary arm	t-k-w	SLOTS
Joker Pro	jokerpro	SLOTS
Panda Warriors	panda-warriors	SLOTS
Extra Fortune	extra-fortune	SLOTS
Fruit Blast	fruit-blast	SLOTS (SKILLZZ)
Gems Odyssey	gems-odyssey	SLOTS (SKILLZZ)
Raging Men	raging-men	CASCADE
Plucky Pirates Devils Triangle	plucky-pirates-devil	SLOTS
Lucky Tiger	lucky-tiger	SLOTS
The Magic Crane	the-magic-crane	SLOTS
God of Cricket	god-of-cricket	SLOTS
The Wealth of Sharks	the-wealth-of-sharks	SLOTS
The Dragon of Mahjong	the-dargon-of-mahjong	SLOTS
Super Parkour	super-parkour	SLOTS
Destroyer	destroyer	SLOTS
Harry's Reels	harry-redknapp-reels	SLOTS
Fortune Monkey	fortune-monkey	SLOTS
Woodland Fairy	woodland-fairy	SLOTS
Angry Sparrows	angry-sparrows	SLOTS
Riches of Atlantis	riches-of-atlantis	SLOTS
Power Stones	power-stones	SLOTS