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# Server

## Game Engines

|  |
| --- |
| {  {"GameEngine": {"Ip": "127.0.0.1", "Port": 6500}},  {"GameEngine": {"Ip": "127.0.0.1", "Port": 6500}}  } |

## Game Engine

|  |
| --- |
| {"Ip": "127.0.0.1", "Port": 6500} |

## HTTP Clients

|  |
| --- |
| {  {"HTTPClient": {"Ip": "127.0.0.1", "Port": 6500}},  {"HTTPClient": {"Ip": "127.0.0.1", "Port": 6500}}  } |

## HTTP Client

|  |
| --- |
| {"Ip": "127.0.0.1", "Port": 6500} |

## Sever Sessions

|  |
| --- |
| {  {"Session": {"SessionNumber": 123, "Username": "user"}, "SessionNumber": 123},  {"Session": {"SessionNumber": 123, "Username": "user"}, "SessionNumber": 123}  } |

## Server Session

|  |
| --- |
| {"SessionNumber": 123, "Username": "user"} |

## Users

|  |
| --- |
| {  {"User": {"Username": "user", "Password": "password"}, "Username": "user"},  {"User": {"Username": "user", "Password": "password"}, "Username": "user"}  } |

## User

|  |
| --- |
| {"Username": "user", "Password": "password"} |

## Game Information List

|  |
| --- |
| {  {  "Title": "Game 1",  "GameInformation":  {  "Title": "Game 1",  "Network":  {  "Ip": "127.0.0.1",  "URL": "localhost",  "Port": 6500,  "Communication": "HTTP",  },  "Parameters":  {  "Minimum Players": 2,  "Maximum Players": 8,  "Current Players": 4  }  }  },  {  "Title": "Game 1",  " GameInformation ":  {  "Title": "Game 2",  "Network":  {  "Ip": "127.0.0.1",  "URL": "localhost",  "Port": 6500,  "Communication": "HTTP",  },  "Parameters":  {  "Minimum Players": 2,  "Maximum Players": 8,  "Current Players": 4  }  }  }  } |

## Game Information

|  |
| --- |
| {  "Title": "Game 2",  "Network":  {  "IP Address": "127.0.0.1",  "URL": "localhost",  "Port": 6500,  "Communication": "HTTP",  },  "Parameters":  {  "Minimum Players": 2,  "Maximum Players": 8,  "Current Players": 4  }  } |

## Server Chat Messages

|  |
| --- |
| {  {  "SessionNumber": 123,  "ChatMessage":  {  "Type": "Server Chat",  "SessionNumber": 123,  "Username": "user",  "Message": "user message",  "Status": "active",  "Source": "Server"  }  },  {  "SessionNumber": 123,  "ChatMessage":  {  "Type": "Server Chat",  "SessionNumber": 123,  "Username": "user",  "Message": "user message",  "Status": "active",  "Source": "Server"  }  }  } |

## Server Chat Message

|  |
| --- |
| {  "Type": "Server Chat",  "SessionNumber": 123,  "Username": "user",  "Message": "user message",  "Status": "active",  "Source": "Server"  } |

# Game Engine

## HTTP Clients

|  |
| --- |
| {  {"HTTPClient": {"Ip": "127.0.0.1", "Port": 6500}},  {"HTTPClient": {"Ip": "127.0.0.1", "Port": 6500}}  } |

## HTTP Client

|  |
| --- |
| {"Ip": "127.0.0.1", "Port": 6500} |

## Sever Sessions

|  |
| --- |
| {  {{"SessionNumber": 123, "Username": "user"}, "SessionNumber": 123},  {{"SessionNumber": 123, "Username": "user"}, "SessionNumber": 123}  } |

## Server Session

|  |
| --- |
| {"SessionNumber": 123, "Username": "user"} |

## Game Sessions

|  |
| --- |
| {  {{"SessionNumber": 123, "PlayerName": "player"}, "SessionNumber": 123},  {{"SessionNumber": 123, "PlayerName": "player"}, "SessionNumber": 123}  } |

## Game Session

|  |
| --- |
| {"SessionNumber": 123, "PlayerName": "player"} |

## Players

|  |
| --- |
| {  {  "PlayerName": "player",  "Player":  {  "PlayerName": "player",  . . .  }  },  {  "PlayerName": "player",  "Player":  {  "PlayerName": "player",  . . .  }  }  } |

## Player

|  |
| --- |
| {  "PlayerName": "player",  . . .  } |

## Game

|  |
| --- |
| {  . . .  } |

## Game Updates

|  |
| --- |
| {  {"SessionNumber": 123, "GameUpdate": { . . . }},  {"SessionNumber": 123, "GameUpdate": { . . . }}  } |

## Game Update

|  |
| --- |
| {  . . .  } |

## Game Information

|  |
| --- |
| {  "Title": "Game 1",  "Network":  {  "IP Address": "127.0.0.1",  "URL": "localhost",  "Port": 6500,  "Communication": "HTTP",  },  "Parameters":  {  "Minimum Players": 2,  "Maximum Players": 8,  "Current Players": 4  }  } |

## Game Chat Messages

|  |
| --- |
| {  {  "SessionNumber": 123,  "ChatMessage":  {  "Type": "Game Chat",  "SessionNumber": 123,  "Username": "user",  "Message": "user message",  "Status": "active",  "Source": "Server"  }  },  {  "SessionNumber": 123,  "ChatMessage":  {  "Type": "Game Chat",  "SessionNumber": 123,  "Username": "user",  "Message": "user message",  "Status": "active",  "Source": "Server"  }  }  } |

## Game Chat Message

|  |
| --- |
| {  "Type": "Game Chat",  "SessionNumber": 123,  "Username": "user",  "Message": "user message",  "Status": "active",  "Source": "Server"  } |

# Client

## Game Command

|  |
| --- |
| {  . . .  } |