

API Documentation

- 1) Get a JWT using GET JWT API.
- 2) Generated JWT Token is to be attached to Authentication Header with type as Bearer Token for using Articles API.
- 3) Note that, in current assignment – only basic security standards are handled.

GET JWT API

```
curl --location --request POST 'https://preetikashetty.space/get_jwt.php' \
--header 'Content-Type: application/json' \
--data-raw '{
  "static_key" : "jhiauysnklhabk"
}'
```

OR

URL: https://preetikashetty.space/get_jwt.php

Request Method: POST

Body:

```
{
  "static_key" : "jhiauysnklhabk"
}
```

Description:

This API provides a JWT with configurations as follows

- 1) Valid Not Before: 60 Seconds (After Generation)
- 2) Expiry: 3600 Seconds (After Generation)

Static Key is a simple means to identify if the source from where request has been initiated is a known source or not. Static Key will be present with both Client (Request Initiator) and Server (Request Server).

If the Static Key sent in Payload does not match with the one stored in Server – the Source will not be identified as a Known Source – and so JWT will not be generated.

Request Payload Encryption should be done to ensure Security. In this assignment, encryption of Request Payload is not covered.

If token is used before it is activated or after it is expired, or if JWT is completely Invalid – message will be sent accordingly in subsequent API Calls.

Articles API

Method: GET

```
curl --location --request GET 'https://preetikashetty.space/articles_api.php' \  
--header 'Content-Type: application/json' \  
--header 'Authorization: Bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJQUkVFEILQSI6MTYwNzMxMjA5NSwibmJmljoxNjA3MzEyMTU1LCJleHAiOiJlE2MDczMTU2OTV9.KH7OQSHW68xt8doc1XjnvUg2P9U_CinkyF0h3zXauyY' \  
--data-raw ''
```

Examples

- 1) https://preetikashetty.space/articles_api.php/8
- 2) https://preetikashetty.space/articles_api.php?id=6§ion=sports

Description

- 1) This API is used to return Articles.
- 2) You can either pass the article ID as URI or set parameters like id, location, section, keyword, author and publisher.
- 3) If both are done, result will be shown only on basis of URI and parameters will not be considered.
- 4) Multiple Parameters can be sent at a single time.
- 5) If Article with given id in URI is not present – then 404 will be returned. If id is passed as id=11 in parameter – empty array will be returned.

Sample Output

```
[  
  {  
    "id": "12",  
    "image": "http://example.com/images/image.jpg",  
    "url": "http://example.com/blog/post",  
    "headline": "My Love of cats explained",  
    "dateCreated": "2020-12-07T04:48:53",  
    "datePublished": "2019-02-11T11:11:11",  
    "dateModified": "2020-12-07T04:48:53",  
    "inLanguage": "en-US",  
    "contentLocation": {  
      "name": "Atlanta, GA"  
    },  
    "author": {  
      "name": "John Doe",  
      "url": "https://johndoe.com/"  
    }  
  }  
]
```

```

    },
    "publisher": {
      "name": "Some Publisher",
      "url": "https://examplepublisher.com/",
      "logo": {
        "url": "http://www.example.com/logo.png",
        "width": "400",
        "height": "55"
      }
    },
    "keywords": [
      "keyword1",
      "keyword2",
      "keyword3",
      "keyword4"
    ],
    "articleSection": "Sports",
    "articleBody": "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum."
  }
]

```

Method: POST

```

curl --location --request POST 'https://preetikashetty.space/articles_api.php' \
--header 'Content-Type: application/json' \
--header 'Authorization: Bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJQUkVFEILQSImlhdCI6MTYwNzMxMjA5NSwibmJmljoxNjA3MzEyMTU1LCJleHAiOiJlE2MDczMTU2OTV9.KH7OQSHW68xt8doc1XjnvUg2P9U_CinkyF0h3zXauyY' \
--data-raw '{
  "input" : [{
    "image": "http://example.com/images/image.jpg",
    "url": "http://example.com/blog/post",
    "headline": "My Love of cats explained",
    "datePublished": "2019-02-11T11:11:11",
    "dateModified": "2019-02-11T11:11:11",
    "inLanguage": "en-US",

```

```

"contentLocation": "Atlanta, GA",
"authorName": "John Doe",
"authorUrl": "https://johndoe.com/",
"publisherName": "Some Publisher",
"publisherUrl": "https://examplepublisher.com/",
"logoUrl": "http://www.example.com/logo.png",
"logoWidth": "400",
"logoHeight": "55",
"keywords": [
    "keyword1",
    "keyword2",
    "keyword3",
    "keyword4"
],
"articleSection": "Sports",
"articleBody": "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla paria tur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum."
}
}

```

Payload

```

{
  "input" : [{
    "image": "http://example.com/images/image.jpg",
    "url": "http://example.com/blog/post",
    "headline": "My Love of cats explained",
    "datePublished": "2019-02-11T11:11:11",
    "dateModified": "2019-02-11T11:11:11",
    "inLanguage": "en-US",
    "contentLocation": "Atlanta, GA",
    "authorName": "John Doe",
    "authorUrl": "https://johndoe.com/",
    "publisherName": "Some Publisher",
  ]
}

```

```

    "publisherUrl": "https://examplepublisher.com/",
    "logoUrl": "http://www.example.com/logo.png",
    "logoWidth": "400",
    "logoHeight": "55",
    "keywords": [
        "keyword1",
        "keyword2",
        "keyword3",
        "keyword4"
    ],
    "articleSection": "Sports",
    "articleBody": "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum."
  }
}

```

Note: In you can send multiple articles in one go this way

```

{
  "input" : [{}, {},...]
}

```

Description

- 1) This API is used to add articles
- 2) In every article – url, headline, inLanguage, authorName, publisherName, keywords, articleSection, articleBody, logoUrl, contentLocation are mandatory parameters. If these parameters are not set or their values are empty – 400 Bad Request will be returned.

Sample Output

```

{
  "message": "Article has been added successfully.",
  "data": [
    {
      "id": "15",
      "image": "http://example.com/images/image.jpg",
      "url": "http://example.com/blog/post",
      "headline": "My Love of cats explained",
      "dateCreated": "2020-12-07T05:11:06",
      "datePublished": "2019-02-11T11:11:11",
      "dateModified": "2020-12-07T05:11:06",
      "inLanguage": "en-US",
      "contentLocation": {
        "name": "Atlanta, GA"
      }
    }
  ]
}

```

```

    },
    "author": {
      "name": "John Doe",
      "url": "https://johndoe.com/"
    },
    "publisher": {
      "name": "Some Publisher",
      "url": "https://examplepublisher.com/",
      "logo": {
        "url": "http://www.example.com/logo.png",
        "width": "400",
        "height": "55"
      }
    },
    "keywords": [
      "keyword1",
      "keyword2",
      "keyword3",
      "keyword4"
    ],
    "articleSection": "Sports",
    "articleBody": "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do
    eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis
    nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute iru
    re dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. E
    xcepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit an
    im id est laborum."
  }
]
}

```

Method: PUT

```

curl --location --request PUT 'https://preetikashetty.space/articles_api.php/12' \
--header 'Content-Type: application/json' \
--header 'Authorization: Bearer
eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJQUkVFVEILQSI6ImIhdCI6MTYwNzMxNjA
wMywibmJmljoxNjA3MzE2MDYzLCJleHAiOiJlE2MDczMTk2MDN9.oAILNU104JiIRCmkuMuEgH
Vt9u4NTDPVc0wT-LFPPDE' \
--data-raw '{
  "input" : {
    "image": "",
    "url": "http://example.com/blog/post",
    "headline": "My Love of animals explained",

```

```

    "datePublished": "2019-02-11T11:11:11",
    "dateModified": "2019-02-11T11:11:11",
    "inLanguage": "en-US",
    "contentLocation": "Atlanta, GA",
    "authorName": "John Doe",
    "authorUrl": "https://johndoe.com/",
    "publisherName": "Some Publisher",
    "publisherUrl": "https://examplepublisher.com/",
    "logoUrl": "http://www.example.com/logo.png",
    "logoWidth": "400",
    "logoHeight": "55",
    "keywords": [
        "keyword1",
        "keyword2",
        "keyword3",
        "keyword4"
    ],
    "articleSection": "Animals",
    "articleBody": "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum."
  }
}'

```

Payload

```

{
  "input" : {
    "image": "",
    "url": "http://example.com/blog/post",
    "headline": "My Love of animals explained",
    "datePublished": "2019-02-11T11:11:11",
    "dateModified": "2019-02-11T11:11:11",

```

```

    "inLanguage": "en-US",
    "contentLocation": "Atlanta, GA",
    "authorName": "John Doe",
    "authorUrl": "https://johndoe.com/",
    "publisherName": "Some Publisher",
    "publisherUrl": "https://examplepublisher.com/",
    "logoUrl": "http://www.example.com/logo.png",
    "logoWidth": "400",
    "logoHeight": "55",
    "keywords": [
        "keyword1",
        "keyword2",
        "keyword3",
        "keyword4"
    ],
    "articleSection": "Animals",
    "articleBody": "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum."
  }
}

```

Description

- 1) This API is used to update articles
- 2) In any article – if url, headline, inLanguage, authorName, publisherName, keywords, articleSection, articleBody, logoUrl, contentLocation parameters are set, then they should have a proper value – they cannot be empty. Bad Request will be returned if the restrictions are not followed.
- 3) If there is no article present with the ID given in URL, then 404 will be returned.

Sample Output

```

{
  "message": "Article has been updated successfully.",
  "data": {
    "id": "12",
    "image": "http://example.com/images/image.jpg",
    "url": "http://example.com/blog/post",
    "headline": "My Love of cats explained",
    "dateCreated": "2020-12-07T04:48:53",
    "datePublished": "2019-02-11T11:11:11",
    "dateModified": "2020-12-07T05:12:28",
    "inLanguage": "en-US",
    "contentLocation": {
      "name": "Atlanta, GA"
    },
    "author": {

```



```

        "name": "John Doe",
        "url": "https://johndoe.com/"
    },
    "publisher": {
        "name": "Some Publisher",
        "url": "https://examplepublisher.com/",
        "logo": {
            "url": "http://www.example.com/logo.png",
            "width": "400",
            "height": "55"
        }
    },
    "keywords": [
        "keyword1",
        "keyword2",
        "keyword3",
        "keyword4"
    ],
    "articleSection": "Sports",
    "articleBody": "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum."
    }
}

```

Method: DELETE

```

curl --location --request DELETE 'https://preetikashetty.space/articles_api.php/10' \
--header 'Content-Type: application/json' \
--header 'Authorization: Bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJQUkVFVEILQSIslmIhdCI6MTYwNzMxNjAwMywibmJmljoxNjA3MzE2MDYzLCJleHAiOiJlE2MDczMTk2MDN9.oAILNU104JiIRCmkuMuEgHVt9u4NTDPVc0wT-LFPPDE' \
--data-raw ''

```

Description

- 1) This API is used to delete articles. However, here we are performing Soft Delete.
- 2) If there is no valid article present with the ID given in URL, then 404 will be returned.

Sample Output

Article has been soft-deleted successfully.