Qualys Subscription Token Management Guide

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Qualys API Server URL

The Qualys API URL you should use for API requests depends on the Qualys platform where your account is located.

Click here to identify your Qualys platform and get the API URL

In some of the API Release Notes, the API gateway URL for Qualys US Platform 1 (https://gateway.qg1.apps.qualys.com) is used in sample API requests.

For this API Release Notes, instead of providing any platform-specific URL, <qualys_base_url> is mentioned in the sample API requests.

If you are on another platform, replace this URL with the appropriate gateway URL for your account.

Overview of Subscription Token

Subscription tokens are mainly used for programmatic access. Earlier, the JWT tokens had a very short expiration period of four hours, so the user credentials were exposed frequently at the time of token creation. Now, you can create new subscription tokens with an expiration period of up to one year and expose the user credentials only once. Each subscription can have a maximum of ten tokens.

Create New Subscription Token

Learn more about the detailed steps to create a new subscription token.

When your current subscription token is about to expire, 15 days before it, you receive an automatic email alert stating the token secret ID and the expiration date and time.To create a new subscription token, you must first authenticate your account and then delete the expired token. Then, you must verify that no JWT token exists against the deleted secret ID.

1. Authenticate your account using the following API:

API Description	REST Endpoint to authenticate a user and get JWT token
Method	POST

API Request:

```
curl --location --request POST '<qualys_base_url>/auth' \
--header 'Content-Type: application/x-www-form-urlencoded' \
--data-urlencode 'username=quays_user123' \
--data-urlencode 'password=$Pass$@123' \
--data-urlencode 'token=true' -k
```

API Response:

```
<JWT_FROM_AUTH_ENDPOINT>
```

2. Delete the expired token using its secret ID mentioned in the token expiration email.

API Description	REST Endpoint to delete expired token
Method	DELETE

API Request:

```
curl --location --request DELETE '<qualys_base_url>/qas/subscription-
token/token/52abec80-b0dd-4400-a2ef-ccf4fa80652c' \
--header 'Authorization: Bearer <JWT_FROM_AUTH_ENDPOINT>' \
```

API Response:

```
Secret with ID 52abec80-b0dd-4400-a2ef-ccf4fa80652c deleted successfully.
```

3. Verify that no JWT token exists against the deleted secret ID.

API Description	GET Endpoint to verify JWT token
Method	GET

API Request:

```
curl --location '<qualys-base-url>/qas/subscription-token/token/52abec80-
b0dd-4400-a2ef-ccf4fa80652c' \
--header 'Authorization: Bearer <JWT_FROM_AUTH_ENDPOINT>' \
```

API Response:

```
{
    "errorCode": 2003,
    "errorMessage": "Invalid Secret ID"
}
```

4. Create a new JWT token with expiration time of 525600 minutes.

API Description	REST Endpoint to Create Subscription Token
Method	REST

API Request:

```
curl --location '<qualys-base-url>/qas/subscription-token' \
--header 'Authorization: Bearer <JWT_FROM_AUTH_ENDPOINT>' \
--header 'Content-Type: application/json' \
--data '{ "expiry": 525600}'
```

Note: You must enter the token expiration time in minutes. The maximum token expiration period allowed is 525600 minutes which is one year. You can customize the expiration time as per your requirement.

API Response:

```
<long lived JWT token>
```

The new subscription token is created successfully.

List the Subscription Tokens

You can view the list of all the ten tokens for your subscription with the secret IDs and the token expiration timestamp using the following API.

API Description	REST Endpoint to get token list
Method	GET

API Request:

```
curl --location '<qualys-base-url>/qas/subscription-token/list' \
--header 'Authorization: Bearer <JWT_FROM_AUTH_ENDPOINT>' \
```

API Response:

```
[
    {
        "secretId": "b89536fa-c929-403e-acd0-a4a967b71412",
        "expiryTime": "2024-06-27T05:46:37.114+00:00"
    },
    {
        "secretId": "f6053fba-bd8a-4510-a1ff-7f7b4a5c0119",
        "expiryTime": "2024-06-27T05:41:30.225+00:00"
    }
]
```

The list of all the tokens for your subscription is generated successfully.