

## AUTHENTICATION

Swift API requests that require authentication must contain an X-Storage-Token authentication token in the request header. The token may be retrieved from RADOS Gateway, or from another authenticator. To obtain a token from RADOS Gateway, you must create a user. For example:

```
sudo radosgw-admin user create --subuser="{username}:{subusername}" --uid="{username}"  
--display-name="{Display Name}" --key-type=swift --secret="{password}" --access=full
```

For details on RADOS Gateway administration, see [radosgw-admin](#).

### AUTH GET

To authenticate a user, make a request containing an X-Auth-User and a X-Auth-Key in the header.

### SYNTAX

```
GET /auth HTTP/1.1  
Host: swift.radosgwhost.com  
X-Auth-User: johndoe  
X-Auth-Key: R7UUOLF0I2ZI9PRCQ53K
```

### REQUEST HEADERS

#### X-Auth-User

**Description:** The key RADOS GW username to authenticate.  
**Type:** String  
**Required:** Yes

#### X-Auth-Key

**Description:** The key associated to a RADOS GW username.  
**Type:** String  
**Required:** Yes

### RESPONSE HEADERS

The response from the server should include an X-Auth-Token value. The response may also contain a X-Storage-Url that provides the {api version}/{account} prefix that is specified in other requests throughout the API documentation.

#### X-Storage-Token

**Description:** The authorization token for the X-Auth-User specified in the request.  
**Type:** String

#### X-Storage-Url

**Description:** The URL and {api version}/{account} path for the user.  
**Type:** String

A typical response looks like this:

```
HTTP/1.1 204 No Content  
Date: Mon, 16 Jul 2012 11:05:33 GMT  
Server: swift  
X-Storage-Url: https://swift.radosgwhost.com/v1/ACCT-12345  
X-Auth-Token: U0lCCC8TahFKlWuv9DB09TWHF0nDjpPElha0kAa
```

Content-Length: 0  
Content-Type: text/plain; charset=UTF-8

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