

Installation 3

## Streaming Analytics Manager Authentication

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## SAM Authentication

After you Kerberize the cluster and try to access the SAM UI for the first time, an Authentication Required message displays. To log into SAM for the first time and to create other users, you must log in with the streamline principal and keytab. Ambari creates the streamline principal and keytab during the Kerberos process.

Details of the principal and the keytab:

- The keytab is called `streamline.service.keytab` and is located on the node where SAM is installed. It is located under `/etc/security`.
- The principal name has the following convention: `streamline-<cluster_name_lower_case>`

After you have logged into SAM as the streamline user, you can create other users

## Logging into SAM for the First Time

To log into SAM for the first time and to create other users, you must log in with the streamline principal and keytab.

1. Use Ambari to download the Kerberos client your local machine:
  - a. In Ambari, select **Hosts**, and select a host.
  - b. Click **Host Actions**, then **Download Client Configs**, then **Kerberos Client**.
  - c. Run the following command:

```
tar -zxvf KERBEROS_CLIENT-configs.tar
```

- d. Copy the `krb5.conf` to `/etc`.
2. Copy the Keytab for the streamline user.

Copy the key tab from `$FQDN_SAM_NODE:/etc/security/keytabs/streamline.service.keytab` to you local machine.

3. Log in as the streamline user:

```
kinit -kt streamline.service.keytab streamline-  
<your_cluster_name>@<REALM_NAME>
```

Result

You are now able to access the SAM UI securely, and can proceed with creating additional users.

More Information

See [Managing Users and Assigning them to Roles](#)

## Logging In as a Different User

If you want to log in as one of the users you have created, enter:

```
kinit <user-name>@<REALM_NAME>
```

Example

After the user `solson` is created, to log in as that user, perform a `kinit` as `solson`. After successful `kinit`, when the user `solson` goes to the SAM UI, they see the following:

Configuration / Authorizer

USERS ROLES

Icon	Username	ROLES
	solson	ROLES 1
	streamline-streamanalytics	ROLES 1
	gvetticaden	ROLES 1
	harsha	ROLES 1
	suresh	ROLES 1
	guru	ROLES 1
	dan	ROLES 1

NAME \*

EMAIL \*

ROLES

x ROLE\_ADMIN

Applications

Service Pool

Environments

SAVE CANCEL Delete