If cluster B is configured to permit it, federated login allows an account on cluster A to use Workbench at cluster B. In that case, Workbench B should give an unauthenticated visitor the option to log in via cluster A.

Current behavior

An unauthenticated visitor to Workbench B is offered a "log in" button that initiates the login procedure for cluster B. If a cluster A user clicks it, they end up creating a new cluster B account, instead of using their existing cluster A account. After #11454 they can work around this by visiting Workbench A first and following a link from the multisite search page to Workbench B, but this is not obvious or convenient.

Proposed change

On a cluster with remote_hosts_via_dns enabled, the login button should come with a text box where the user can type a 5-letter cluster prefix.

On a cluster with specific remote_hosts defined, the login button should come with a selector widget so the user can choose one of the defined remotes.

If both configs are enabled, both widgets should be offered. If a user types an ID listed in remote_hosts, remote_hosts has precedence over remote_hosts_via_dns. Matching is case-insensitive.

When the user selects a remote cluster, the login URL should include the current cluster ID as the "remote" query parameter, which tells the login cluster to issue a salted token for the current cluster. See #14718.

If configured for a special "home" cluster, always redirect to the login endpoint of the "home" cluster, user will still be (eventually) returned to "remote" workbench. "Home" API server needs to know to send a salted token back to the remote workbench. This should also imply honoring the "is_active" flag.

If a user logs in to an identity_url that corresponds to a remote user, or has a redirect_to_user_uuid to a remote user, results in a browser redirect to the user's home cluster for federated login.

Optional: Use LocalStorage to remember which cluster was chosen, and make that the default next time.

TBD

Visual/interactivity specifics. Note there is a big dialog-like login box, plus a login button in the top nav.

Related issues:

- Related to Arvados - Story #11454: Support federated search across a set of Arvados clusters added
- Related to Arvados - Story #13255: Provide account activation configuration options for federated logins added
- Blocked by Arvados - Feature #14720: [Federation] Workbench2 login chooser
- Blocked by Arvados - Feature #14718: [API] Option to issue salted token in login

History

#1 - 03/19/2018 07:39 PM - Tom Morris
- Related to Story #11454: Support federated search across a set of Arvados clusters added

#2 - 04/04/2018 02:27 PM - Tom Clegg
- Related to Story #13255: Provide account activation configuration options for federated logins added
Another way to approach this would be for the user to start at their home cluster, and then be able to click on a button to navigate to one of the federated workbench instances by providing a salted token. In fact, the multi-site search already does this, but there isn’t a simple obvious page to visit that takes you to the dashboard of each cluster.

Related to Feature #14718: [API] Option to issue salted token in login procedure added

Related to deleted (Feature #14718: [API] Option to issue salted token in login procedure)

Blocked by Feature #14718: [API] Option to issue salted token in login procedure added

Related to Feature #14720: [Federation] Workbench2 login chooser added

Target version changed from To Be Groomed to Arvados Future Sprints

Description updated

Story points set to 3.0

Related to Feature #14720: [Federation] Workbench2 login chooser added

Target version changed from Arvados Future Sprints to 2019-02-13 Sprint

Description updated

Target version changed from Arvados Future Sprints to 2019-02-13 Sprint to 2019-02-27 Sprint

Story points deleted (3.0)

Status changed from New to Closed

We’re going to skip doing this for Workbench 1. It's been implemented for Workbench 2.

Release set to 15