

KNOX-20: Administrative REST API

The admin API will be implemented as a separate topology. This will allow for a separate authentication and authentication and authorization from normal topologies/clusters. The admin topology will be called admin. This may conflict with existing customer topologies but that could be addressed by the customer renaming the admin topology.

Sample Topology File

```
<topology>
  <gateway>
    ....
  </gateway>
  <service>
    <role>ADMIN</role>
  </service>
</topology>
```

Note: The <url> element is not required as this will be an "internal" service.

The internal service will likely be implemented as a Jersey based dispatch based on the module gateway-provider-jersey.

Open Questions/Issues

- In order for SLA to be used directly separate services would be required to support different ATZ policy.
- Does this highlight a need to have the service unique portion of the URL exposed in the topology file (e.g. webhdfs, hive, admin, etc?)
- Does the work on versioned services need to come into play here?