**Get Flows**

Path: /flow/<cluster>/<user>/<flowName>/[version]  
Returns: list of flows  
Sample URL:

[http://timelineservice.example.com/ws/v2/flow/clusterid/userName/someFlowName\_idenitying\_a\_flow?limit=2&&startTime=1390939248000&endTime=139361764800](http://timelineservice.example.com/api/v1/flow/clusterid/userName/someFlowName_idenitying_a_flow?limit=2&&startTime=1390939248000&endTime=139361764800)

The flow version is useful for tools that do reducer estimation.

Optional QS Params - v1:

* limit (default=1)
* startTime
* endTime

*Optional QS Params – future versions:*

* *startRow (default=0)*
* *app details filters*

**Get Flow By AppId**

Path: /appFlow/<cluster>/[appId]  
Returns: the flow for the appId  
Sample URL:

[http://timelineservice.example.com/ws/v2/appFlow/clusterid/application\_1421267641505\_74201](http://timelineservice.example.com/api/v1/appFlow/clusterid/application_1421267641505_74201)

**Get App Details**

Path: /application/<cluster>/[appId]  
Returns: single application  
Sample URL:

[http://timelineservice.example.com/ws/v2/application/clusterid/application\_1421267641505\_74201](http://timelineservice.example.com/api/v1/application/clusterid/application_1421267641505_74201)

**Get Flow Timeseries**

Path: /flowStats/<cluster>/<user>/<flowName>  
Returns: list of flows with only minimal stats. Useful for summary level details of flows. This endpoint duplicates functionality from the "/flow/" endpoint and so it could be folded into the above “Get Flows” but having a different end point makes it easier to optimize code path, response json object serialization.   
Sample URL:

[http://timelineservice.example.com/ws/v2/flowStats/clusterid/userName/someFlowName\_idenitying\_a\_flow?limit=2&&startTime=1390939248000&endTime=139361764800](http://timelineservice.example.com/api/v1/flowStats/clusterid/userName/someFlowName_idenitying_a_flow?limit=2&&startTime=1390939248000&endTime=139361764800)

Optional params:

* version (optional filter)
* startRow (base64 encoded row key)
* startTime (epoch timestamp in milliseconds)
* endTime (epoch timestamp in milliseconds)
* limit (max rows to return)

**Get Flow Versions**

Path: /flowVersion/<cluster>/<user>/<flowName>

Useful in knowing when the version changed between flows. Needed to query for reducer estimation  
Returns: list of distinct flow versions  
Sample URL:

[http://timelineservice.example.com/ws/v2/flowVersion/clusterid/userName/flowName](http://timelineservice.example.com/api/v1/flowVersion/clusterid/userName/flowName)

Optional  params:

* limit

**Summary stats related queries**

**Get All Flows**

Path: /listFlows/<cluster>/  
Returns: paginated list of apps with aggregated stats (to populate the flows list tab on the UI)  
Sample URL:

[http://timelineservice.example.com/ws/v2/listFlows/clusterid?limit=2&&startTime=20140510&endTime=20140601](http://timelineservice.example.com/api/v1/listFlows/clusterid?limit=2&&startTime=20140510&endTime=20140601)

This would be an UI related aggregation query

Optional query params:

* startTime *could be a human readable dateformat like 20140510 to help easier querying*
* endTime *could be a human readabl dateformat like 20140510 to help easier querying*
* limit (max rows to return)
* pageIndex - which page is being returned
* pageSize - number of records on this page

**Get Summary Stats Per User**

Path: /users/<cluster>/  
Returns: paginated list of users with aggregated stats (to populate the Users tab on the UI)  
Sample URL:

This would be an UI related aggregation query.

Optional params:

* startTime *could be a human readable dateformat like 20140510 to help easier querying*
* endTime *could be a human readabl dateformat like 20140510 to help easier querying*
* limit (max rows to return)
* pageIndex - which page is being returned
* pageSize - number of records on this page

**Get Summary Per Queue/Pool**

UI related aggregation query

Path: /queues/<cluster>/  
Returns: paginated list of users with aggregated stats (to populate the Pools tab on the UI)  
Sample URL:

Optional params:

* startTime  dateformat like 20140510
* endTime date format like 20140514
* limit (max rows to return)
* pageIndex - which page is being returned
* pageSize - number of records on this page