



- 1) Overture Client sends analysis creation payload to Overture External Proxy
- 2) Overture External Proxy marks the request as external and forwards it to SONG Reverse Proxy
- 3) SONG Reverse Proxy validates the auth token and performs access control
- 4) SONG Reverse Proxy calls the Metadata Service which fetches the missing sample metadata from ElasticSearch
- 5) SONG Reverse Proxy forwards the request to SONG
- 6) SONG maps submitter Ids to system Ids by calling the Id services which fetches the system Ids from ElasticSearch
- 7) SONG creates the analysis
- 8) SONG replies to the SONG Reverse Proxy
- 9) SONG Reverse Proxy Replies to the Overture External Proxy
- 10) Overture External Proxy Replies to the Overture Client
- 11) Overture Client records on the filesystem that the analysis has been created