

Remarks:

Connections could be established via SSH tunnels

Open questions:

- How or good ways to integrate / register
 - topological methods (Catalyst)
 - Metrics to analytics applications
- Is a proxy required? And when how does it get the comute node information?

VESTEC – Application

- configured via config file
- Path for storing logs and proxies

Analytics – Application

- Define available metrics to compute statistics for different proxy types
 - Path to store statistics

HTTP / REST

- Pistache REST API (C++)?

Possible Messages Federator

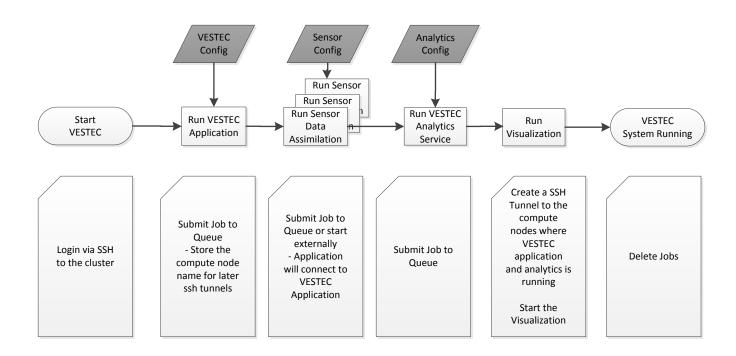
- GET VESTEC System Status Return Number of Simulations, Busy Processes, Connected Sensor Sources, etc.
- POST Trigger new Simulation(SimID, Sim Params, Serialized Sensordata?, Path to Sensordata or derived products) Return ComputeNode name
- POST Re-Run Simulation (SimID) Return ComputeNode

Possible Messages Analytics

- GET getSimulationProxy (SimID) Return VTK + Metadata
- GET getStatistics () Return VTK + Metadata

Proxies (Data)

- Meta data + VTK Dataset
- Meta data: list of metrics to compute, sim id, etc.



- Network IP and port for HTTP Server
 Path to store data logs and history (simulation information, etc.)
 Simulation (Name, ID, Static Simulation input)
 - IP and Port of VESTEC application
 - Path to store derived data

- Network IP and port for HTTP Server
- Path to listen to new proxy data
- Path to read and store statistics data

Analytics Config

Sensor Config

