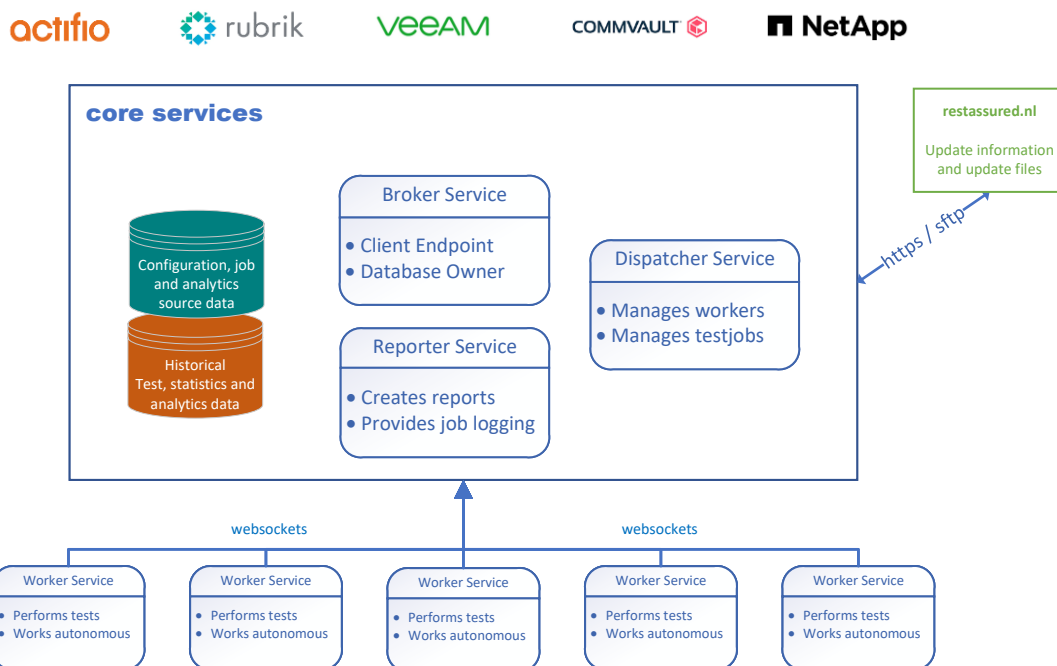# restAssured
restore assurance for backup data

Core architecture overview
Deployed in minutes. Scales with your backup data. Expose data corruption in your backups.

Overview

The core services are the Broker, Dispatcher, Reporter and 2 databases. The components are Windows based 64bit multi-threaded services with low resource usage. The services communicate with each other over websockets using encrypted JSON records. The broker can use additional communication standards like restApi, SSH and/or powershell. Depending on the supported API methods of the backup platform it utilizes one these three.

Workers

The Workers are small 64bit windows or Linux services. They use websockets to connect with the Broker and Dispatcher. Communication is done using encrypted JSON records and/or binary packets. Workers can be deployed anywhere as long as they can set up a connection with the core services. For optimal performance Workers need to reside close to the source backup system.

Databases

The core databases hold all configuration data, active job information and historical job information. restAssured also gathers various statistics of the tests it performed to allow future analytics like "Every 3rd Tuesday of the month the backups of the MySQL database made between 10.00 and 11.30 on backup system Rubrik01 has issues in the snapshot backups.