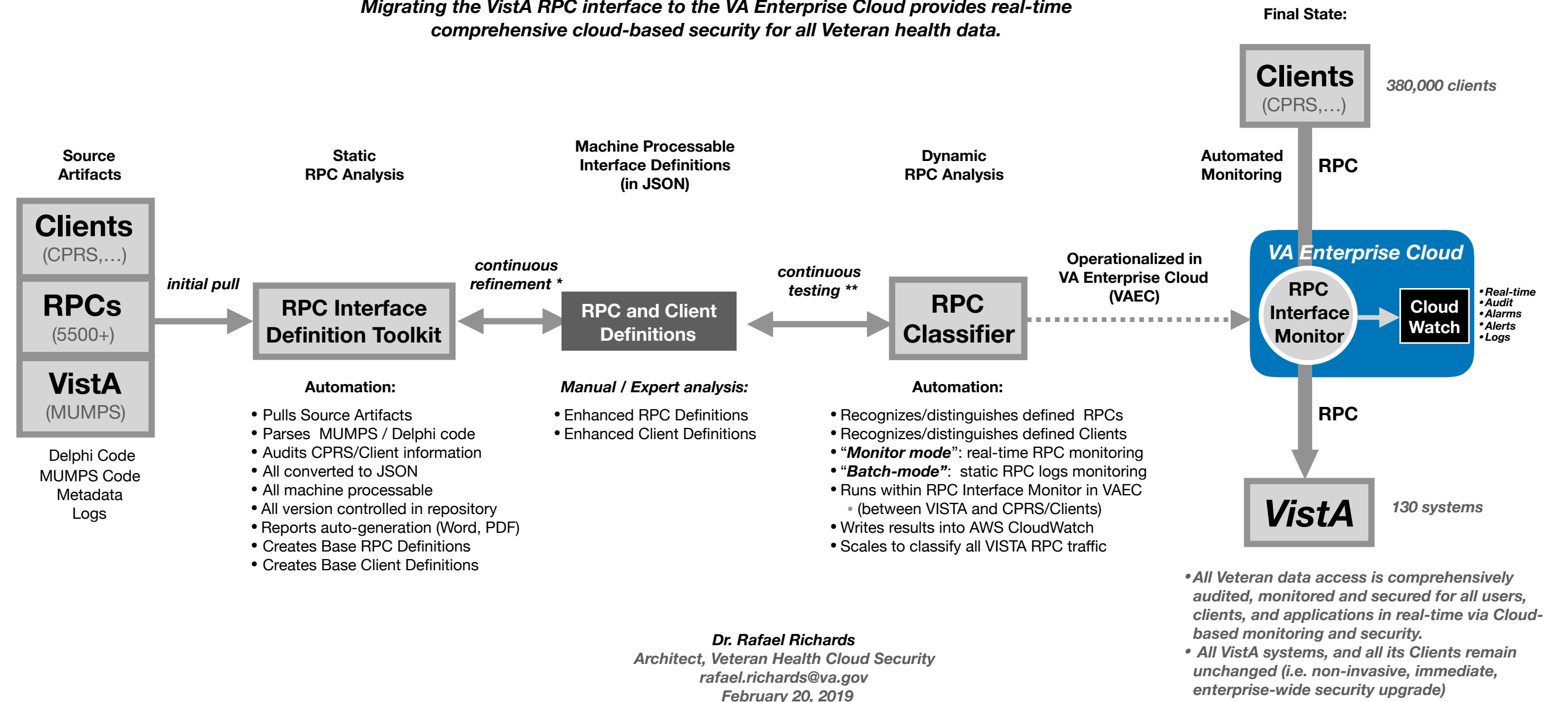


Veteran Health Cloud: Security

Summary

The main interface of the Veterans Health Information Systems Architecture (VistA) for all clients and end-users is the remote procedure call (RPC) interface. Migrating the VistA RPC interface to the VA Enterprise Cloud provides real-time comprehensive cloud-based security for all Veteran health data.



* RPC and Client Definitions

DATA SCOPE	types, categories, volumes of data accessed: type, parameters, indexes RPC access and changes. VistA: filename, property, package (application)
ACTIONS	READ, WRITE; AUTHENTICATION; UTILITY; PATIENT vs NON-PATIENT; NON-SPECIFIC
SENSITIVITY	Access or index PII (vs non-PII) ? "Patient RPC" Patient context
CLIENT TYPES and USAGE	Client type and RPC use: WHO, WHAT, WHEN, PATTERNS OF USE (legitimate user / rogue user)

** RPC Interface Test Suite

- Manually creating tests for each of the 5,500 RPCs would be extremely time-consuming. Therefore the strategy relies on automated testing based on inspection of data streams produced by VistA RPC clients (such as CPRS).
- Machine-readable Client RPC Sequences ("Sequences") of typical RPCs as Clients and RPCs are identified and defined using the RPC Interface Definition Toolkit ("Toolkit").
- These Sequences will be continuously run through the RPC Interface Classifier by an RPC Interface Test Suite to ensure that the Classifier properly interprets definitions as they are created.
- A representative template RPC Sequence will be created for stress and volume testing, in parallel with other development tasks.