SMA Sets Configuration (Non-Writable) *With* Restart
(2019-June-25)

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Note that if a service is found to be *not* registered, the Registry responds with a Registry-specific error message.

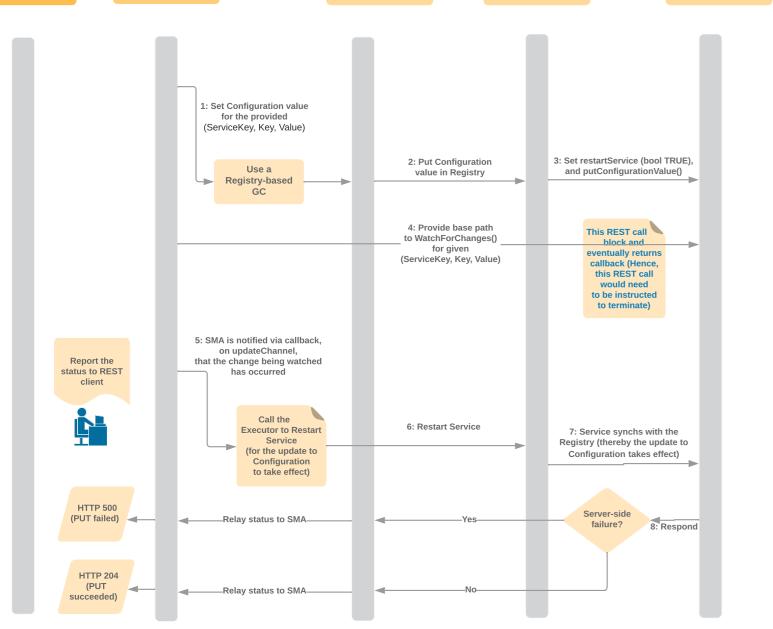**Client (e.g. Pulse IoT)**

SMA

Registry-based General Client (aka "GC")

Service

Registry (e.g. Consul)

1: Set Configuration value for the provided (ServiceKey, Key, Value)

Use a Registry-based GC

2: Put Configuration value in Registry

3: Set restartService (bool TRUE), and putConfigurationValue()

4: Provide base path to WatchForChanges() for given (ServiceKey, Key, Value)

This REST call block and eventually returns callback (Hence, this REST call would need to be instructed to terminate)

5: SMA is notified via callback, on updateChannel, that the change being watched has occurred

Report the status to REST client

Call the Executor to Restart Service (for the update to Configuration to take effect)

6: Restart Service

7: Service synchs with the Registry (thereby the update to Configuration takes effect)

HTTP 500 (PUT failed)

Relay status to SMA

Yes

Server-side failure?

8: Respond

HTTP 204 (PUT succeeded)

Relay status to SMA

No