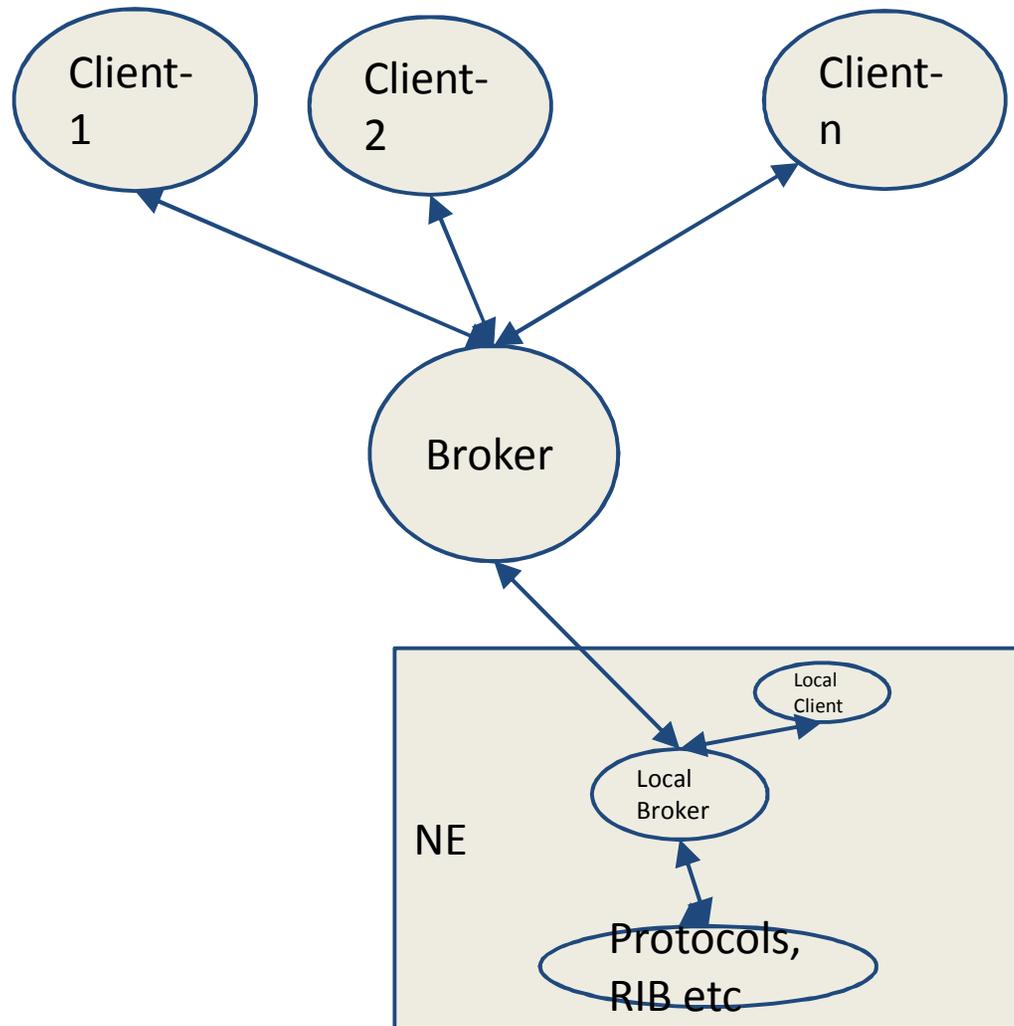


Multi-headed control

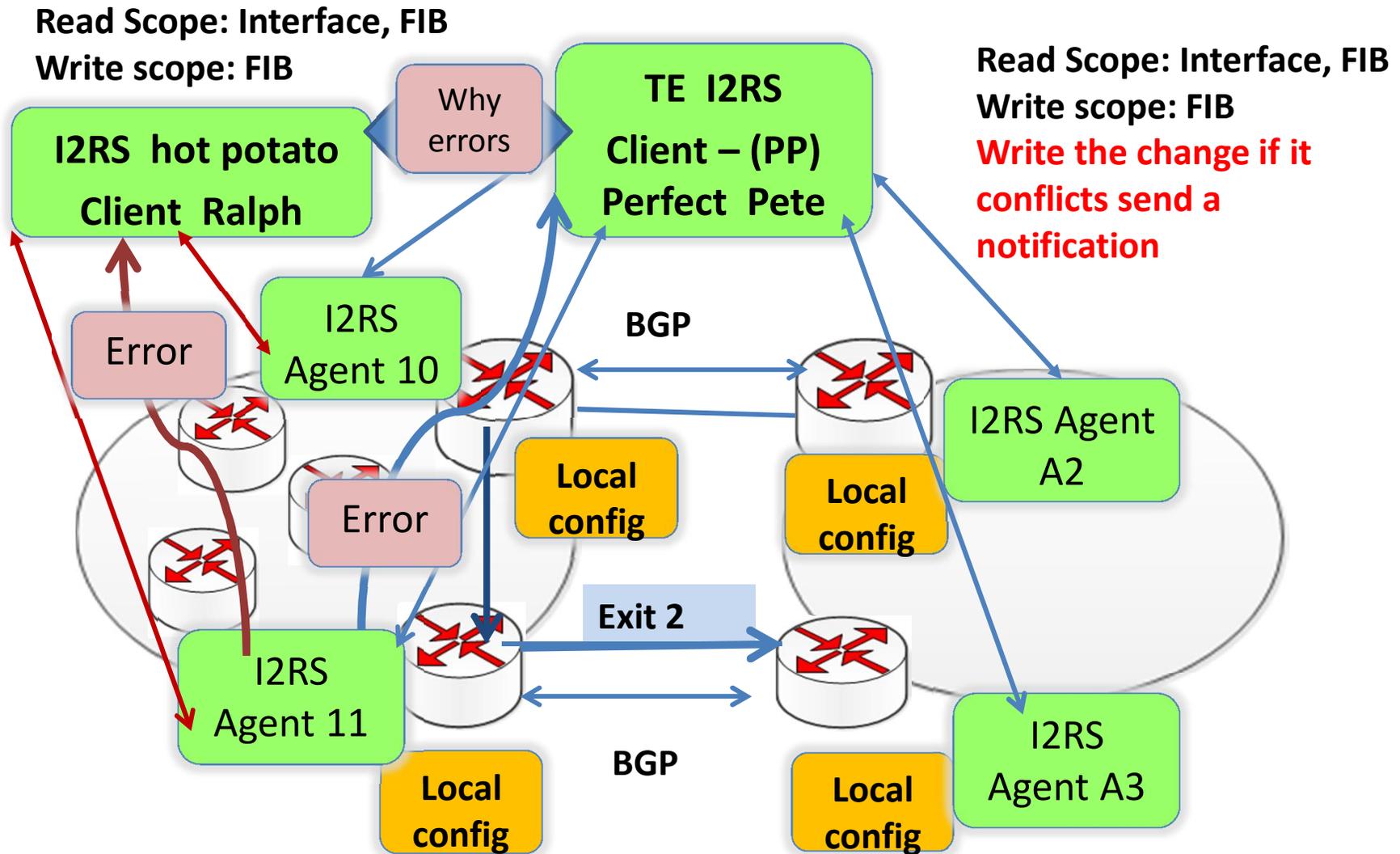
Questions

- “ Where is the complexity
 - . Multiple clients per brokers.
 - . Applications coordinating with simple edge
 - . More knowledge at the edge
 - . Combination

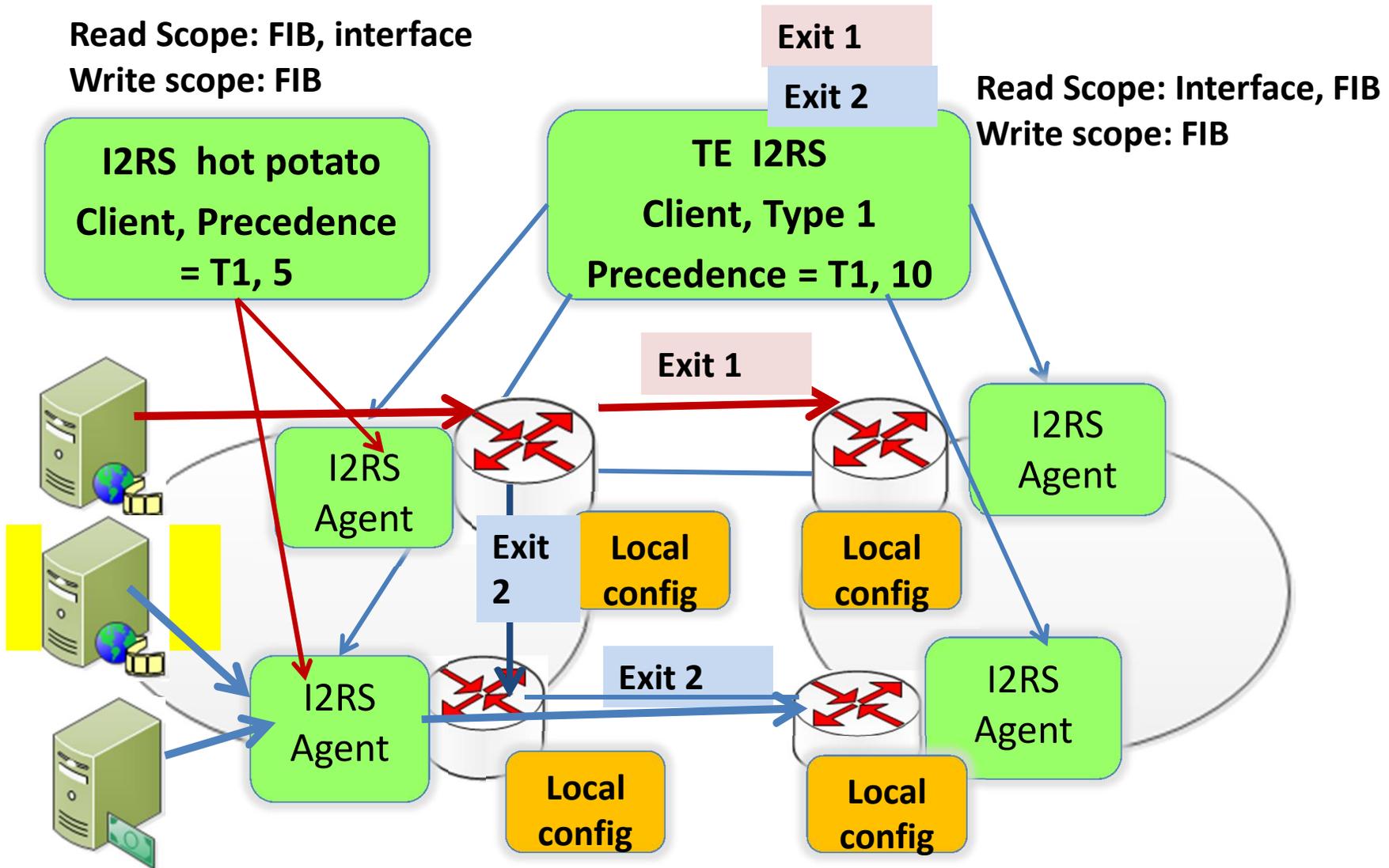
Multiple clients per broker?



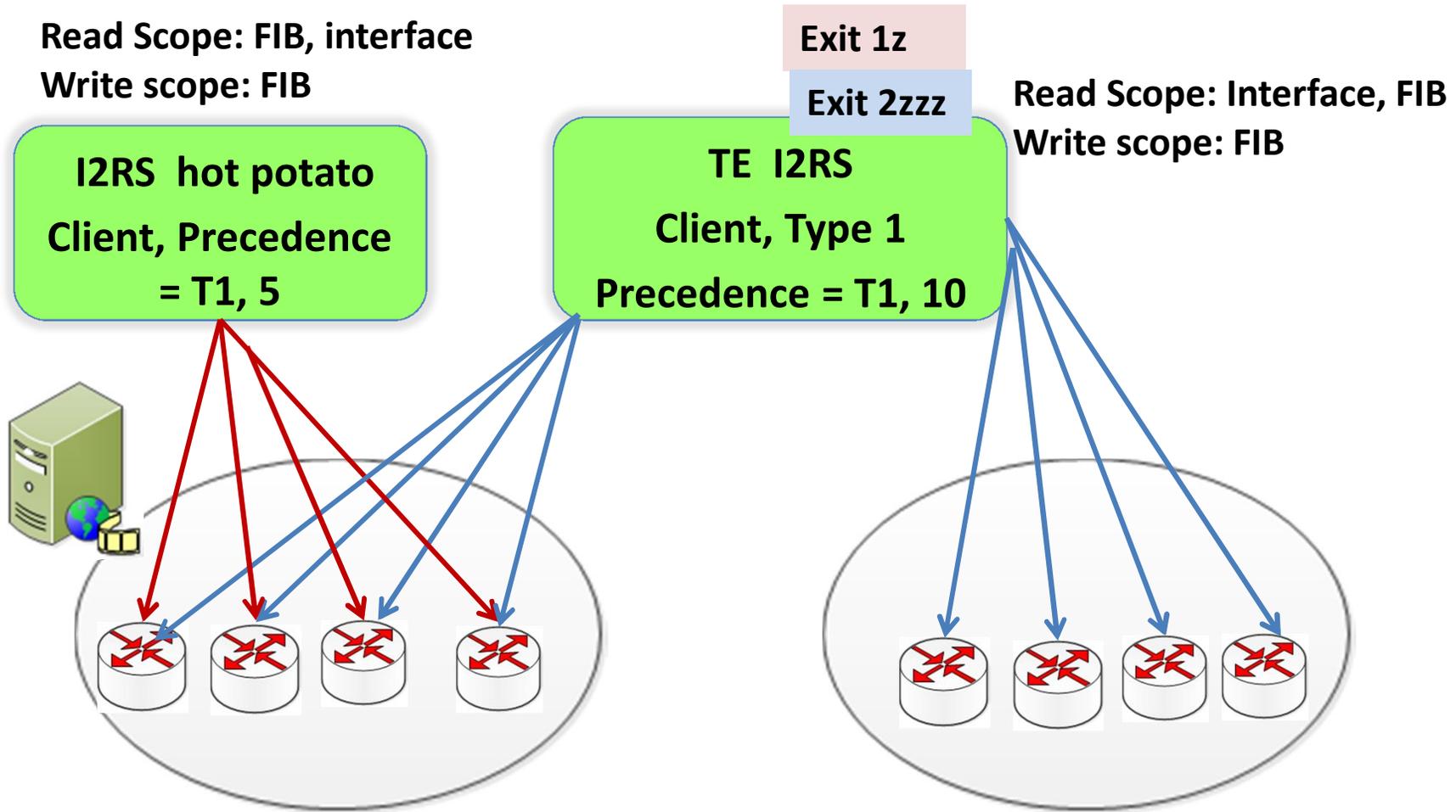
Application Resolve the issue



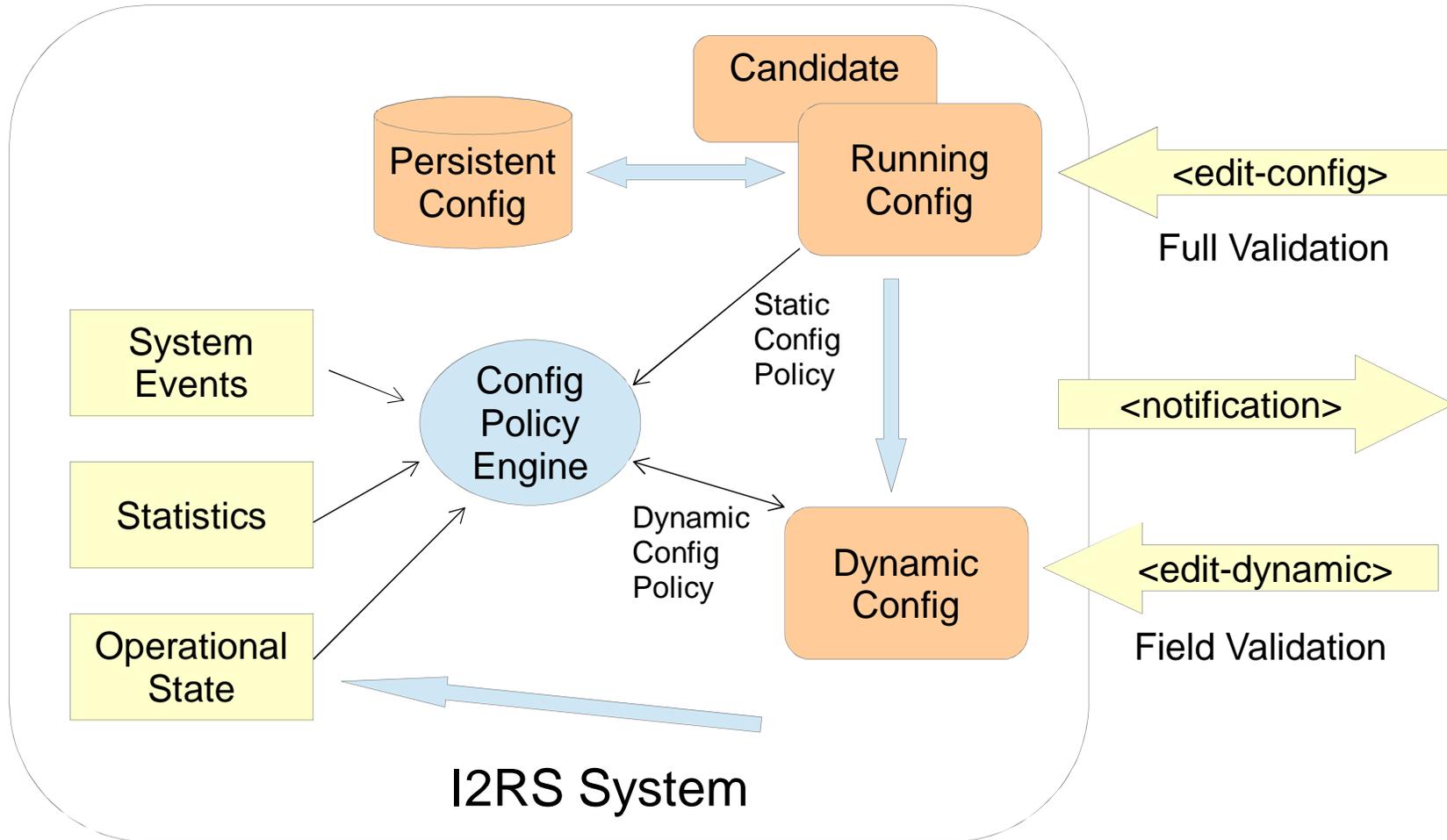
Option: Precedence Resolves



Scale for 2000 nodes- requires



I2RS Datastore Framework



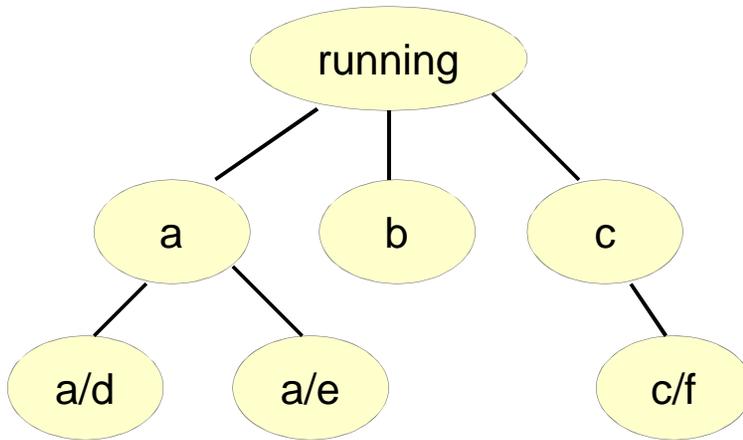
Conditional Configuration

All datastore nodes are %simple conditional+nodes

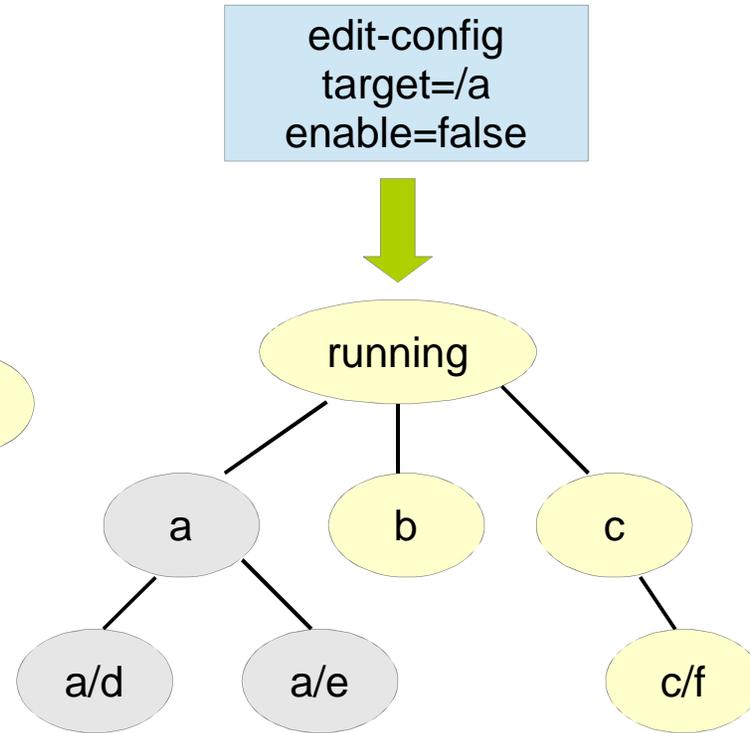
- . enable=true|false
- . disabling a subtree is like commenting out the data instead of deleting it
- . protocol operations can be used to enable/disable running or dynamic subtrees.

See draft-kwatsen-conditional-enablement-00

Simple Conditional Example



1) All config nodes are enabled



2) Subtree /a is disabled

Config Policy Engine

Manages activation and deactivation of dynamic configuration datastore

- . Active config policy derived from 2 sources:
 - persistent policy from running config <edit-config>
 - temporary policy from dynamic config <edit-dynamic>
- . There are 3 types of config policies:
 - static configlets (normal use-case)
 - conditional configlets (e.g., activation based on boolean regular expressions evaluated against system data model)
 - triggered configlets (e.g., activation based on system events like a card-insertion or interface-down)

Config Conflict Example

