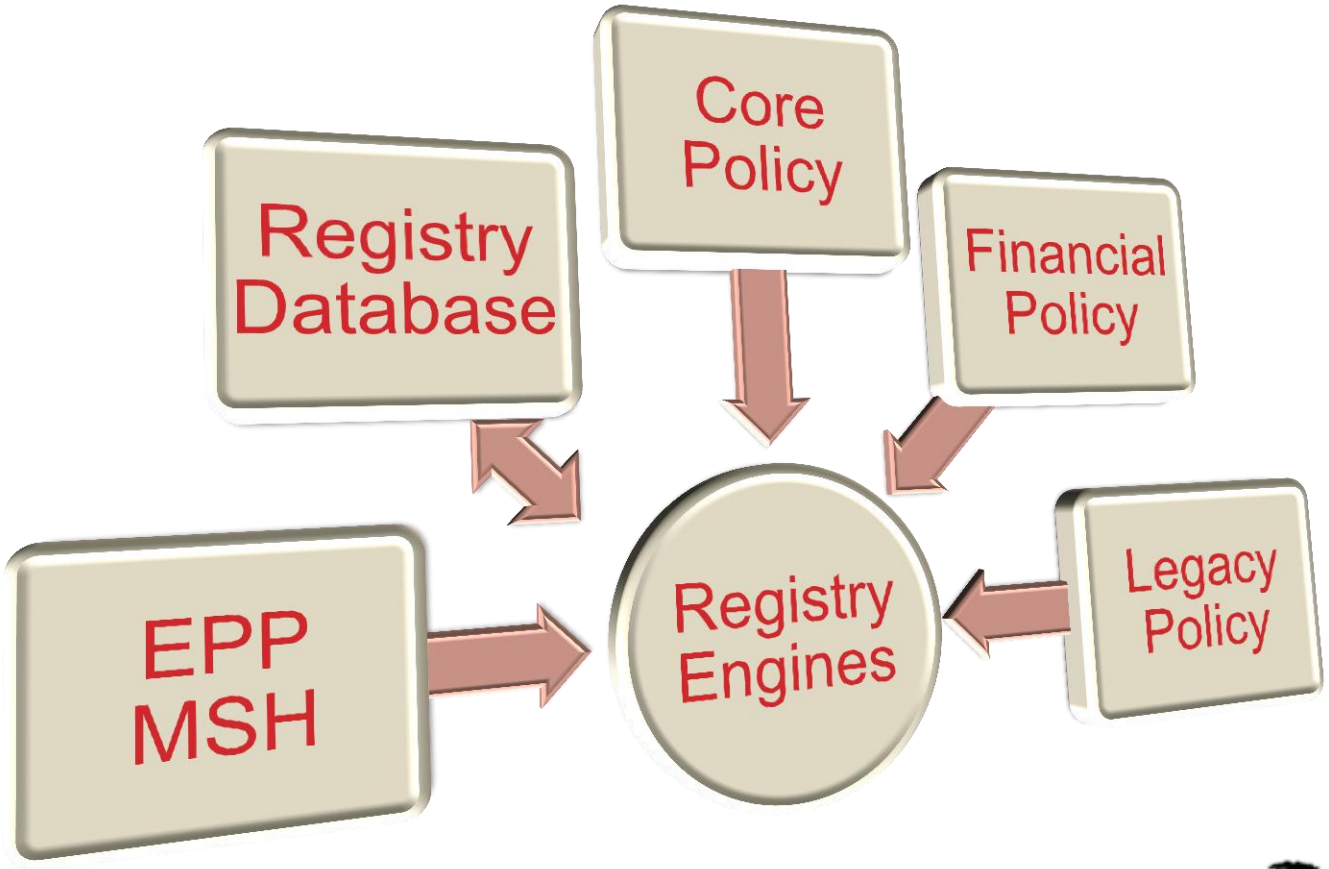
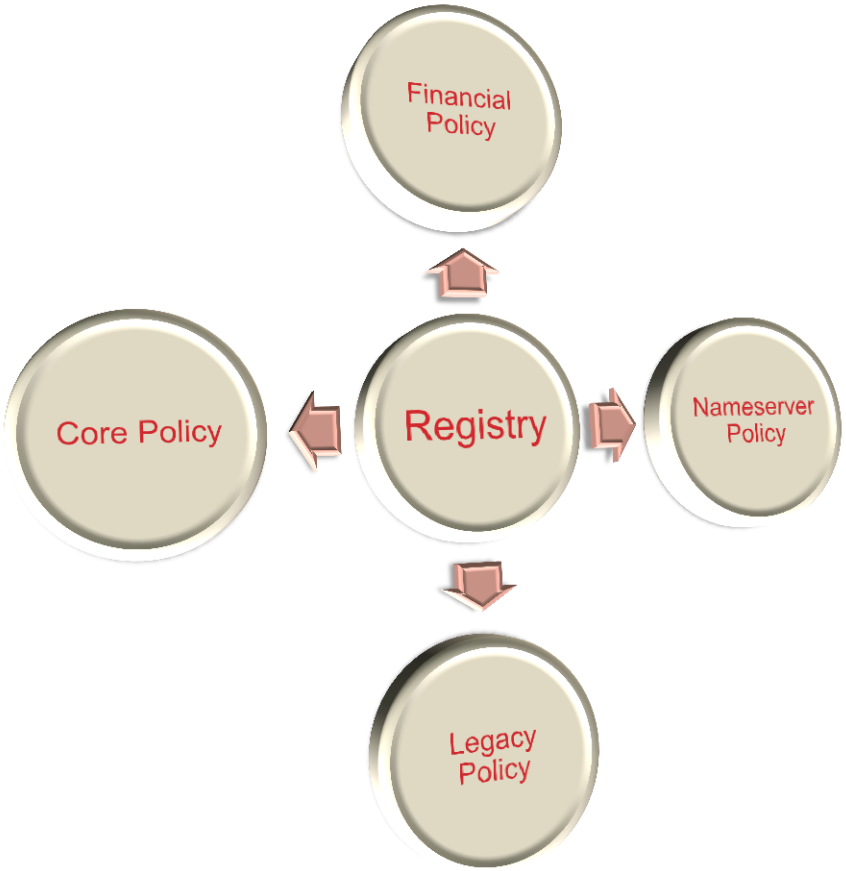
African Top Level Registry

AN AFRICAN REGISTRY SOLUTION

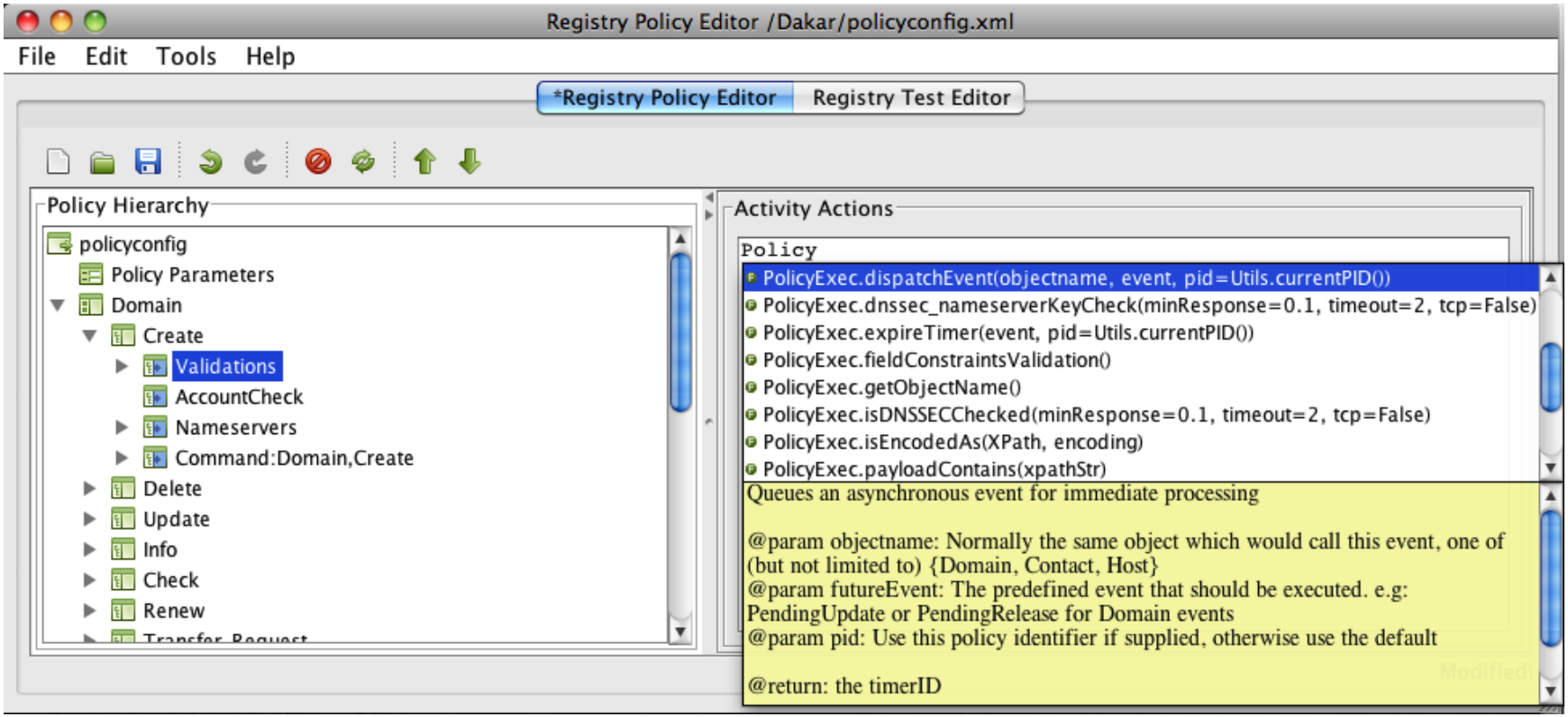
Overview


Core Policy
Registry Database
Financial Policy
EPP MSH
Registry Engines
Legacy Policy

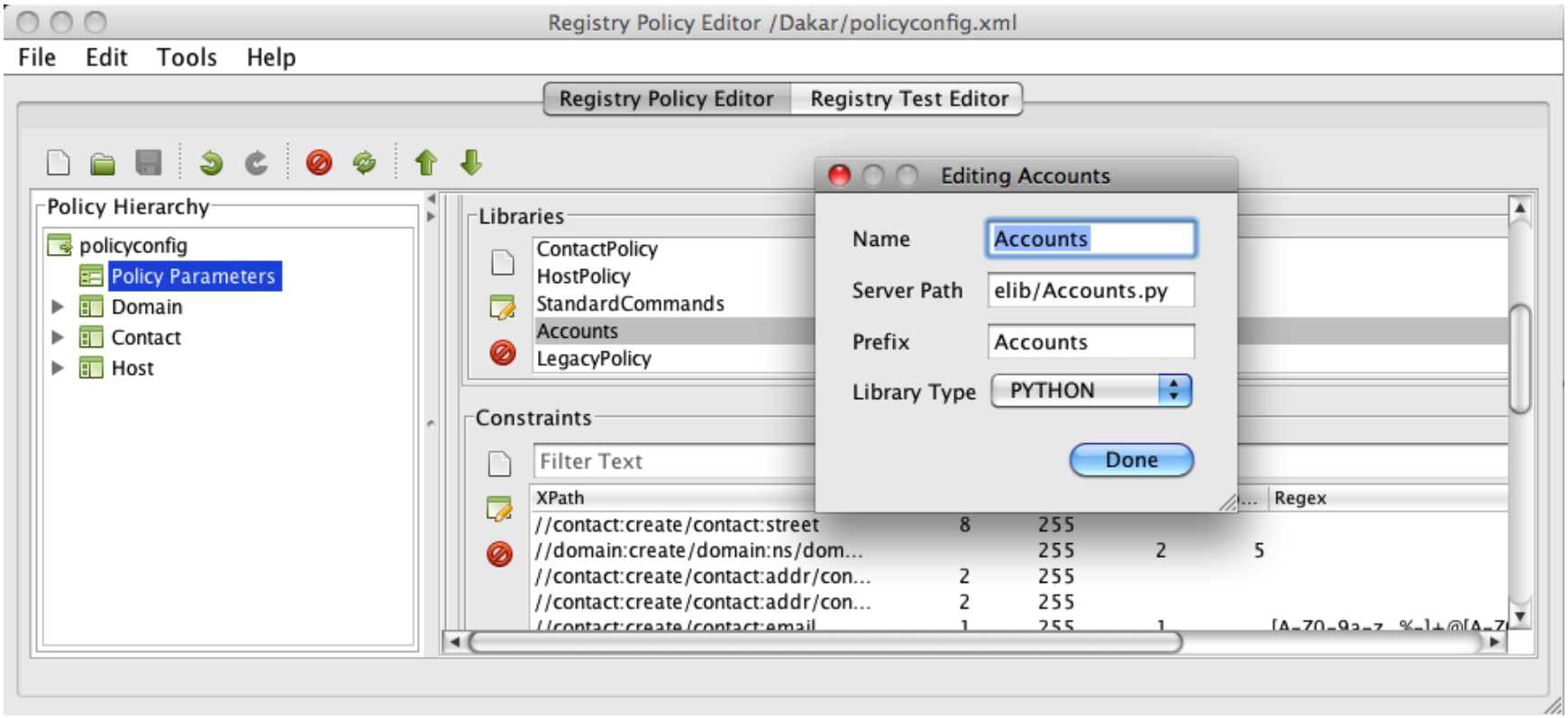
Policy Delegation



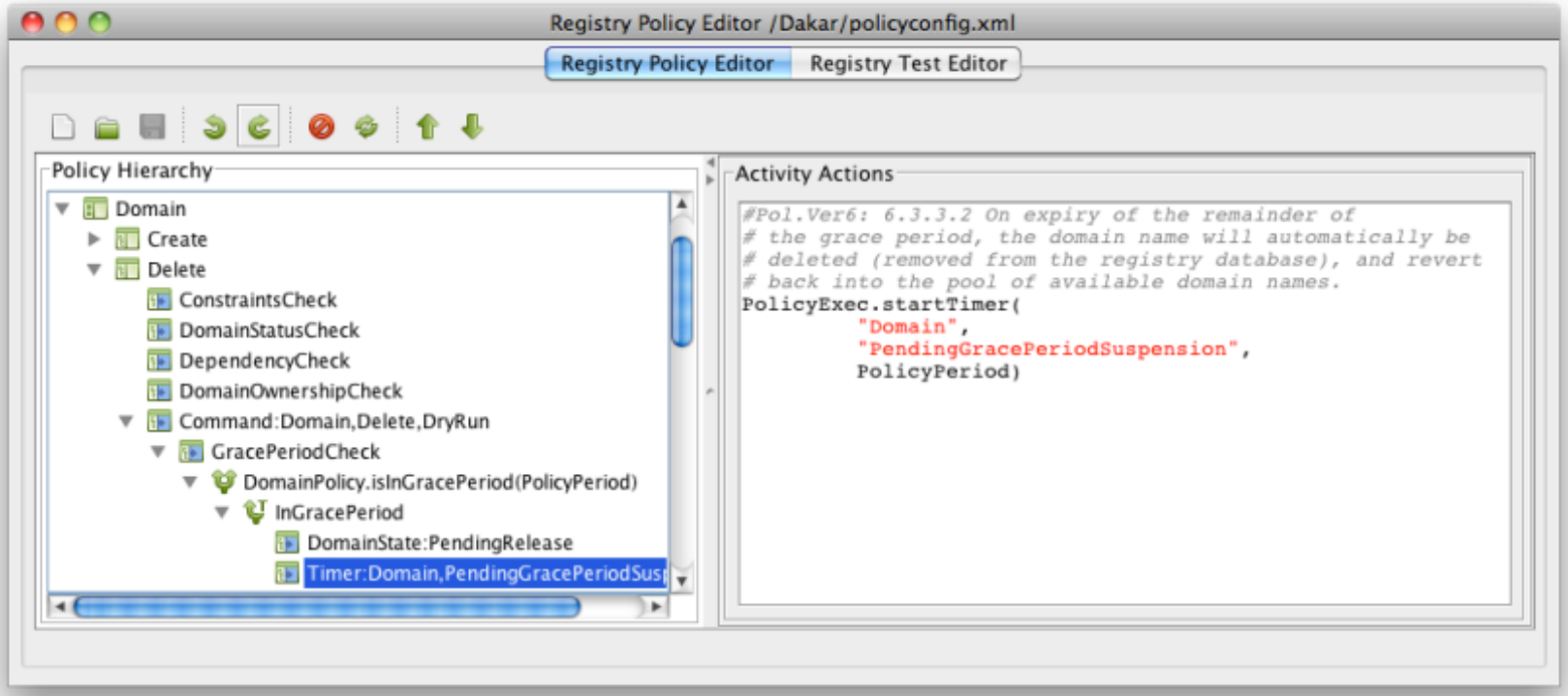
Policy Creation



Policy Extensions



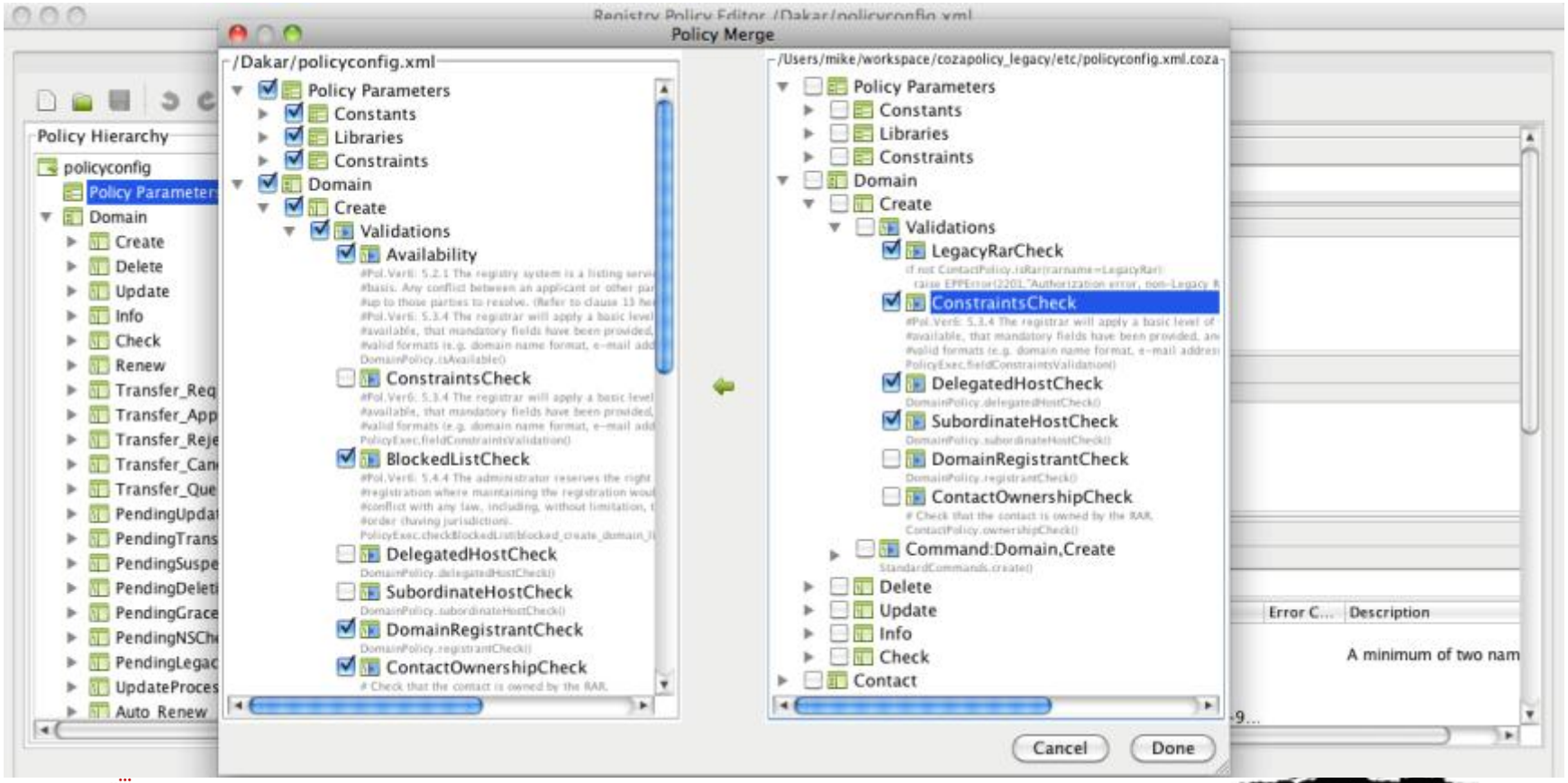
Policy Implementation



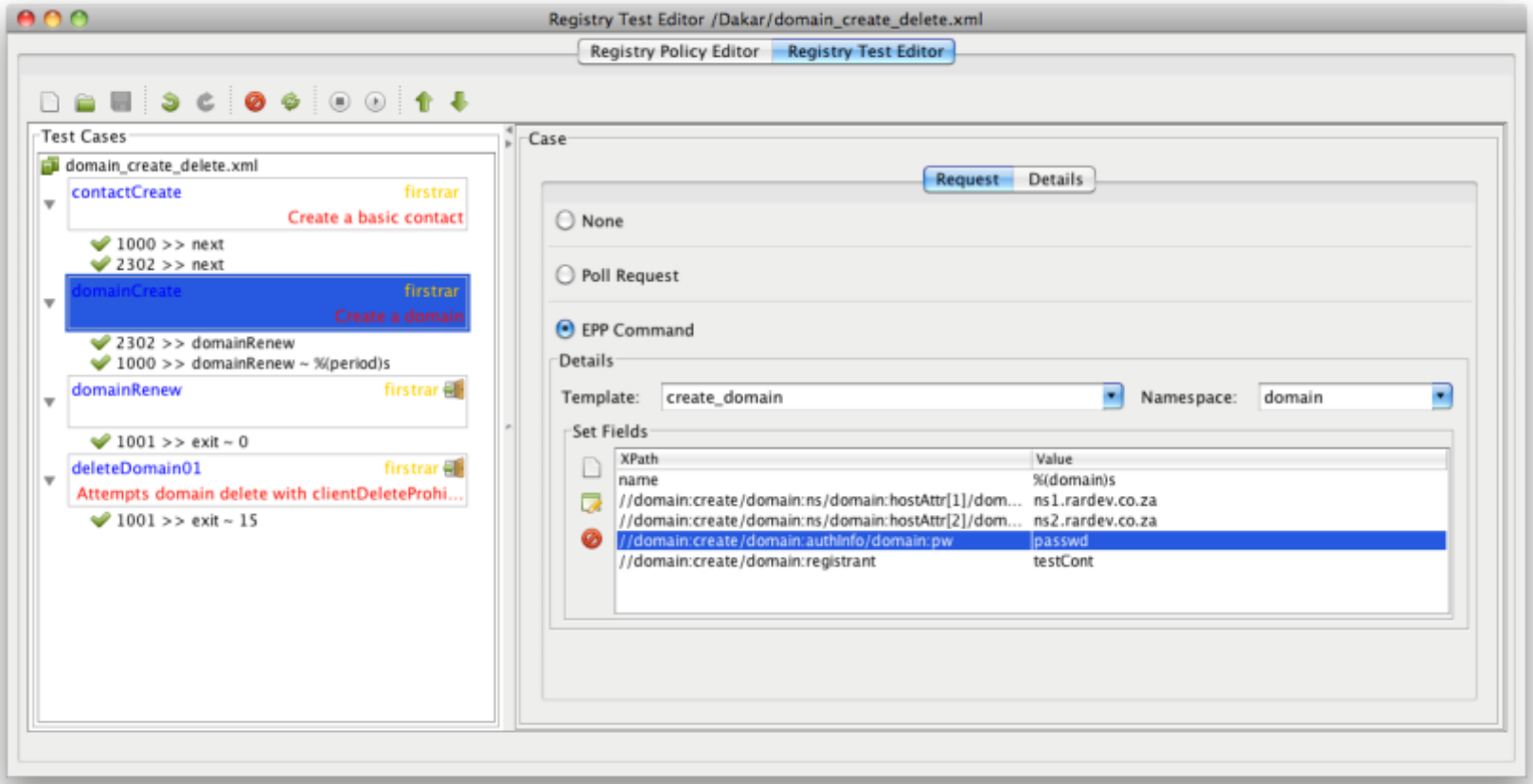
Policy XML

```
<pc:events pc:name="Delete">
  <pc:activities pc:name="ConstraintsCheck">
    <pc:rules>PolicyExec.fieldConstraintsValidation()</pc:rules>
  </pc:activities>
  <pc:activities pc:name="DomainStatusCheck">
    <pc:rules>#Pol.Ver6: 6.2.5 Domain names that are locked cannot be cancelled, suspended or deleted.</pc:rules>
    <pc:rules># Note: We have not branched yet so both apply.</pc:rules>
    <pc:rules>DomainPolicy.statusCheck
([&quot;pendingDelete&quot;,&quot;pendingUpdate&quot;,&quot;pendingTransfer&quot;,&quot;serverDeleteProhibited&quot;])</pc:rules>
  </pc:activities>
  <pc:activities pc:name="DependencyCheck">
    <pc:rules>DomainPolicy.dependencyCheck()</pc:rules>
  </pc:activities>
  <pc:activities pc:name="DomainOwnershipCheck">
    <pc:rules>DomainPolicy.ownershipCheck()</pc:rules>
  </pc:activities>
  <pc:activities pc:name="Command:Domain,Delete,DryRun">
    <pc:rules>StandardCommands.delete(dryRun = True)</pc:rules>
    <pc:children pc:name="GracePeriodCheck">
      <pc:branch pc:decision="DomainPolicy.isInGracePeriod(PolicyPeriod)">
        <pc:answerTrue pc:name="InGracePeriod">
          <pc:children pc:name="DomainState:PendingRelease”>
          </pc:children>
```

Policy Merge



Registry Test Editor



Automated Accreditation

Define Checks

```
{
 "//contact:check":"//epp:result[@code='1000']",
 "//contact:create":"//epp:result[@code='1000']",

…

}
```

Result

registrar - 28/28 passed
//contact:check - True
//contact:create – True

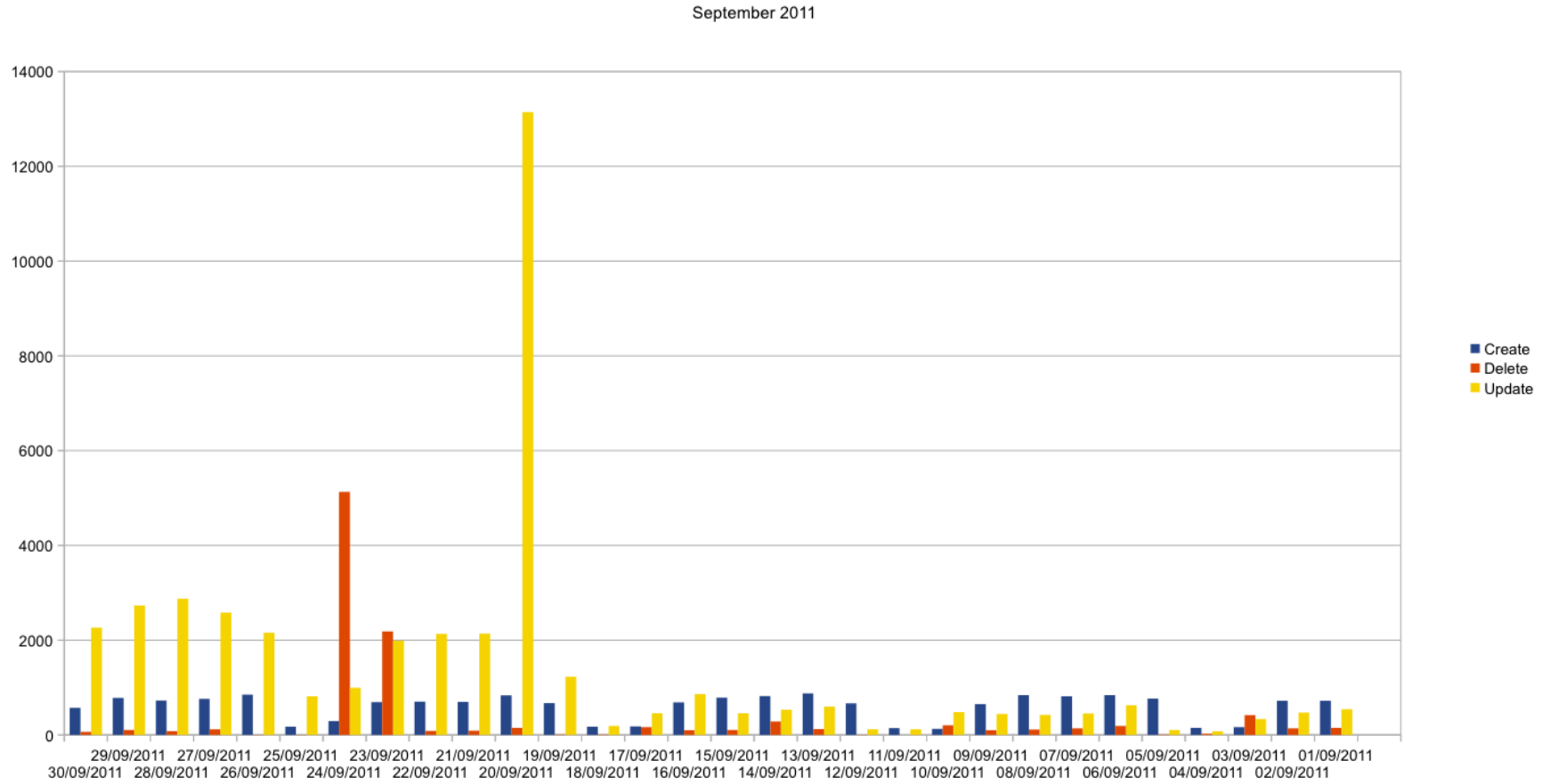
…

ARC.
african registry consortium

Standards

- IETF Std 69 (EPP)
- RFC 5730-4 (EPP, Domain, Contact, Host, TCP/IP)
- RFC 5910 (EPP DNSSEC)
- RFC 3912 (Whois)
- RFC 1035 (DNS Zone File)

.co.za Statistics



.co.za Statistics

Average response times for September

Create	**70ms**
Delete	**72ms**
Update	**51ms**

Q & A

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