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## Telecommunications: Authentication & Authorization

### Client:

Large Telecommunications Provider

### The Project:

Designed and implemented within the Company's Testing Network the XS40/XI50 properly configured to securely support PBR Web Services. Reconfigured so the DataPower XS40 would handle the app load and serve as a Policy Enforcement Point (instead of WebSeal). DataPower XI50 served as backend ESB.

### Solutions Details:

- Implemented XML Firewall to protect from XML Threats from external sources
- Completed integration with Tivoli Access Manager 6.0
- KeepAlive pulse initiated by CISCO Content Switch
- Implemented logging to a SOAP server, and NFS mount
- Implemented friendly error messages for back end failures (errors 500, 404, 403, etc)
- Implemented load balancing "stickiness" using XSLT Style sheets
- Implemented mutual SSL between content switch and backend PBR services

### Technologies:

WebSphere Application Server 6.x , DataPower XS40 and XI50, Tivoli Access Manager, IBM Directory Server, SoapUI for Client, XML Spy for XSL Development.

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