

BLOGS

IBM

SSL Concept and Implementation in Datapower

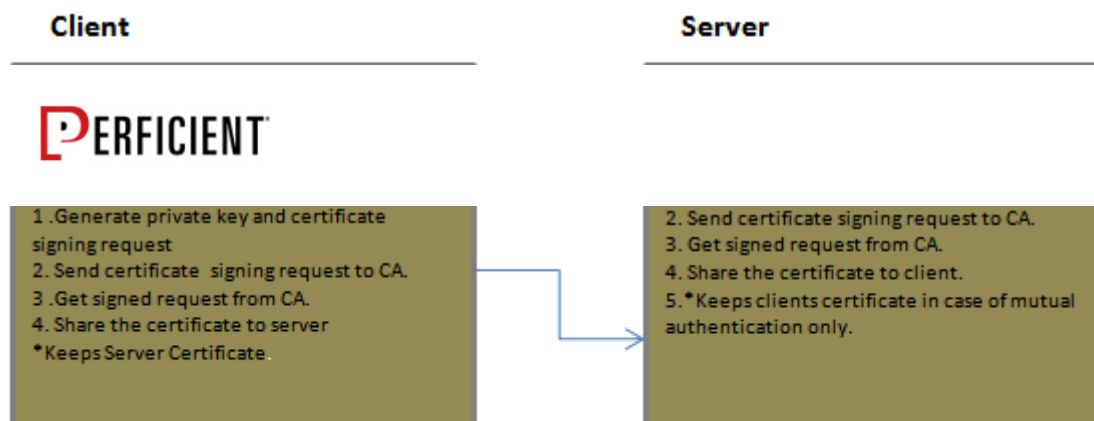
by [Santosh Pericharla](#) on September 25th, 2013 | 2 minute read

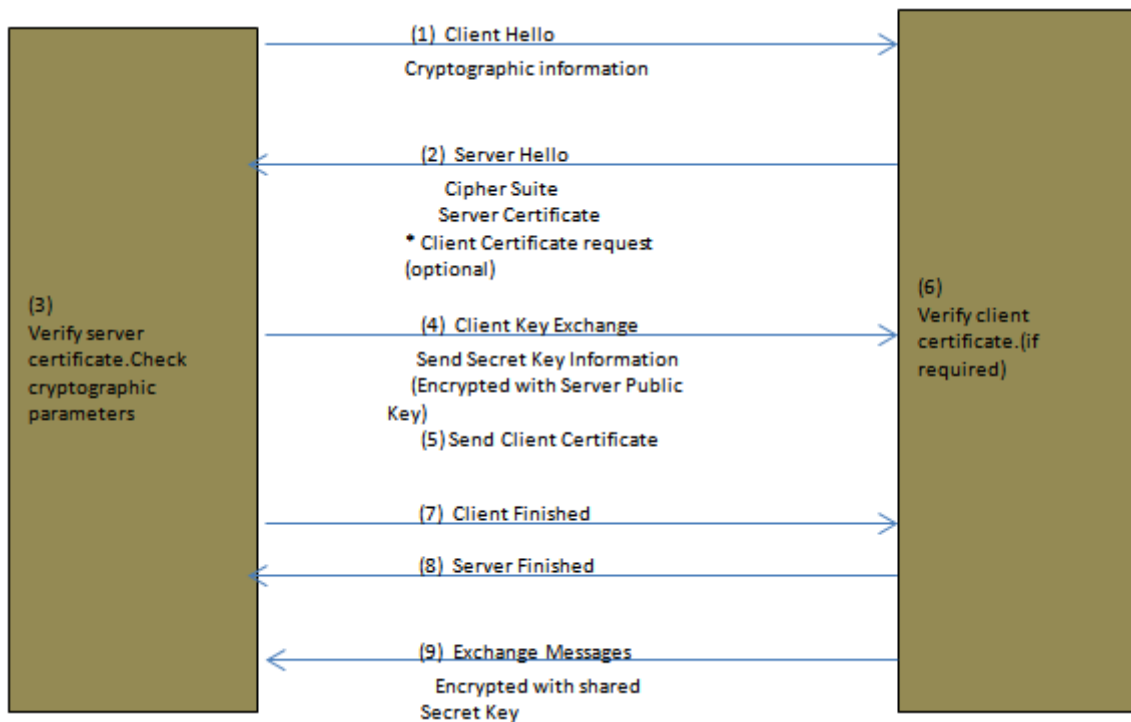
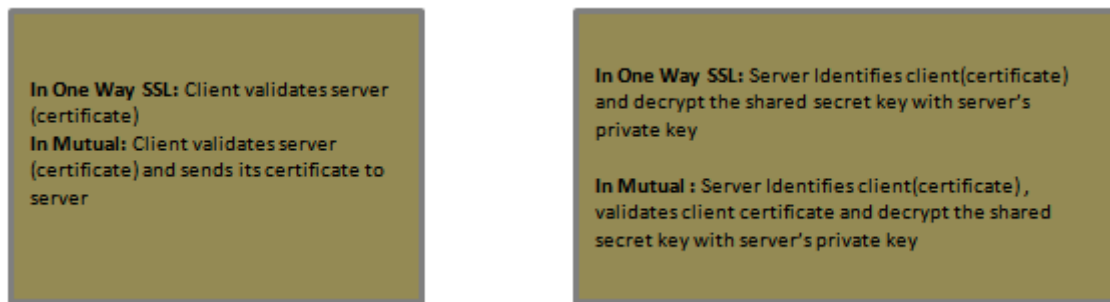


SSL(Secure Socket Layer) is used for security over network. This blog explores implementation of SSL in Datapower along with basic concepts

SSL Concept:

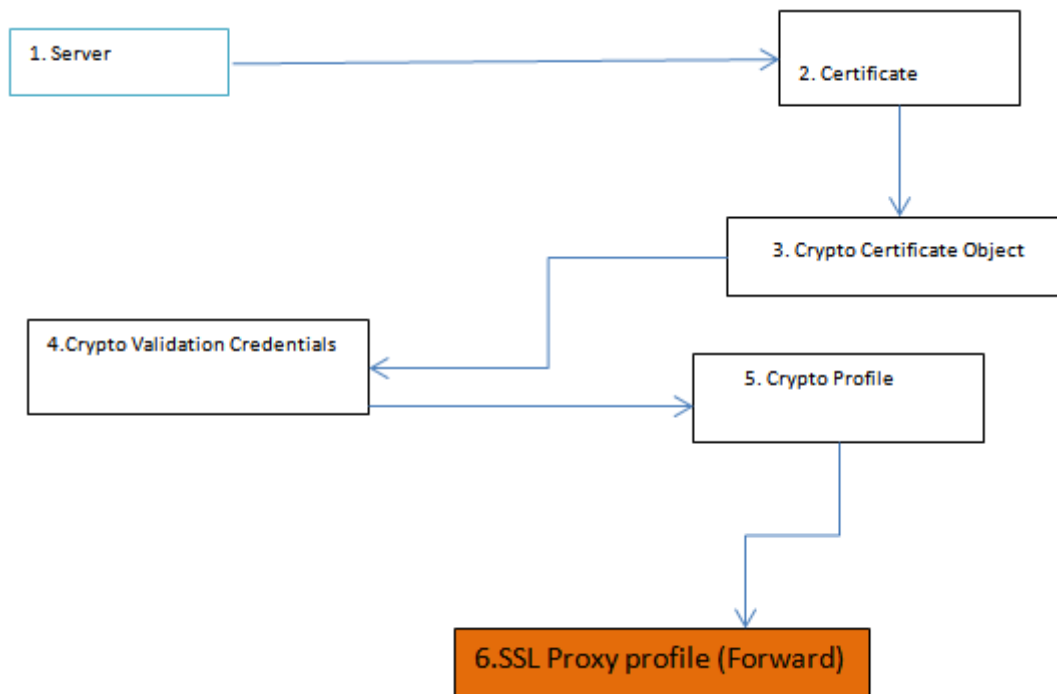
Key Pair Generation:





When Data power Acts as a client:

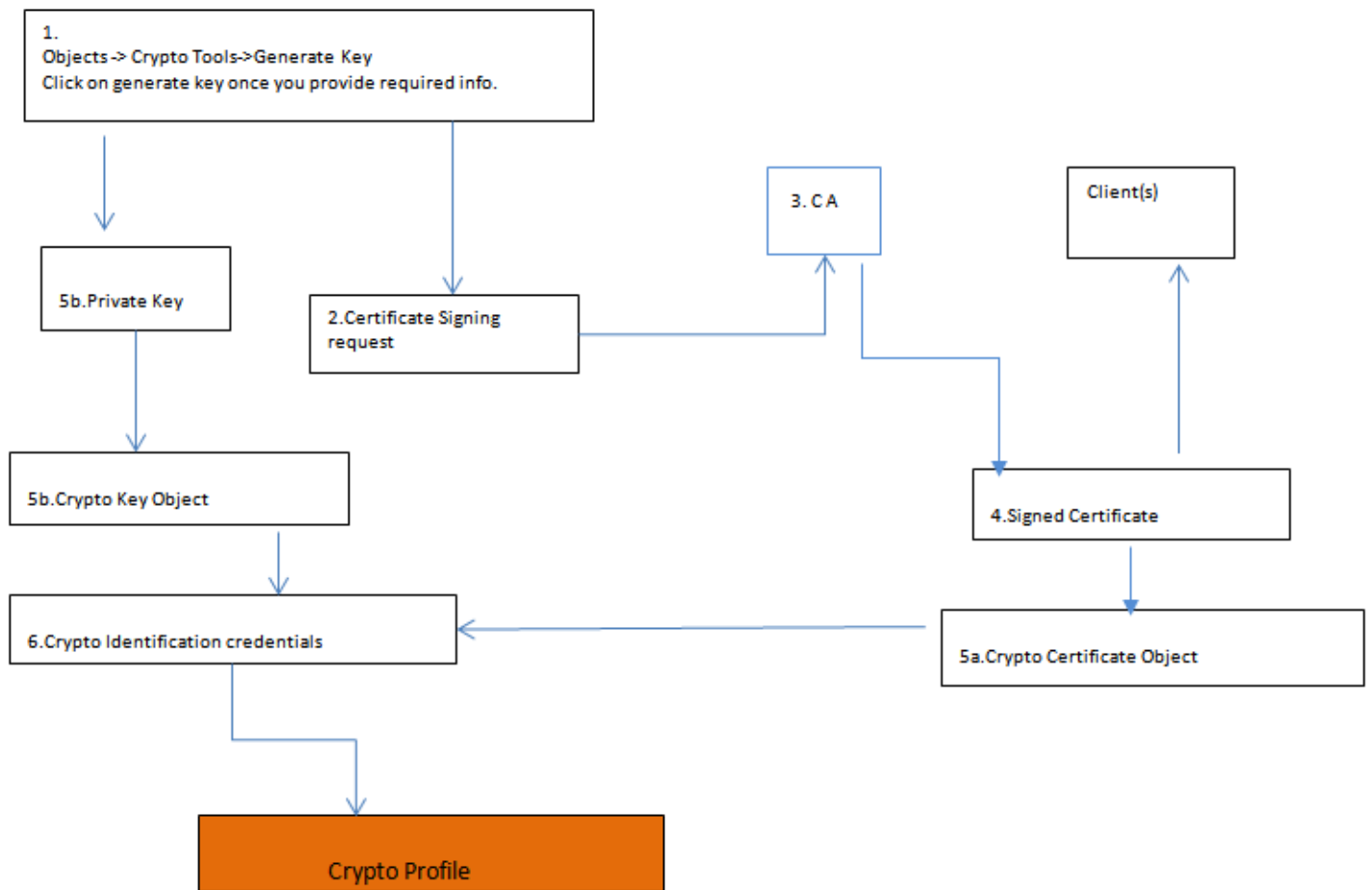
- Upload certificate shared by server in cert/pubcert directory of Datapower File Management.
- Create SSL proxy profile as shown below. This can be either referred in proxy settings or set dynamically using routing-ssl-profile variable



- Server to which Datapower acts as client will share its certificate to Datapower(Client).
- Using certificate shared, a crypto certificate object is created.
- Crypto Validation credentials created using crypto certificate object will be included in crypto profile.
- Crypto profile created will be used in Datapower as SSL proxy profile.

When DataPower Acts as Server





- Just like Crypto Validation credentials is created when datapower acts as client, Crypto identification credentials is created with combination of crypto key object and crypto certificate object.



used in request flow(When Datapower acts as SSL server to front end systems).

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