

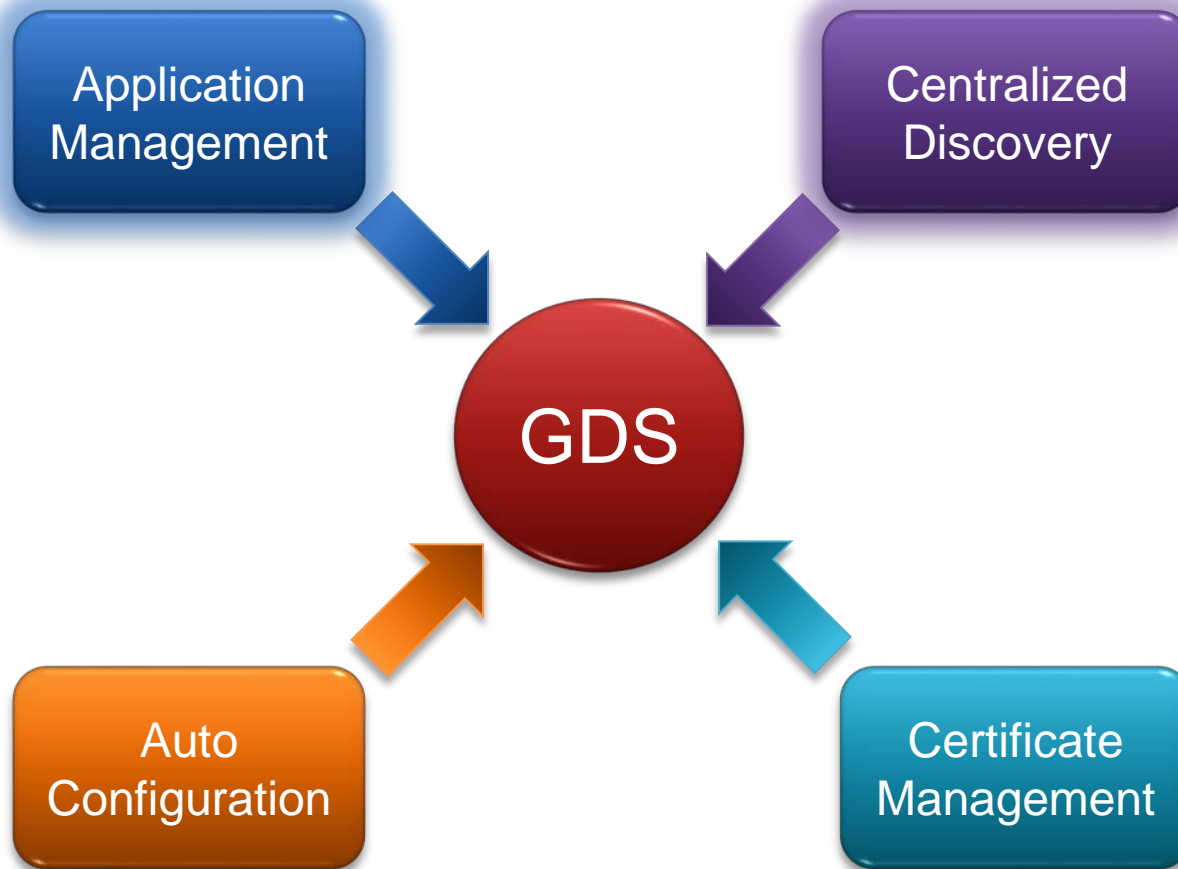
Global Discovery Server Demonstration



Part 1: Application Registration and Server Discovery

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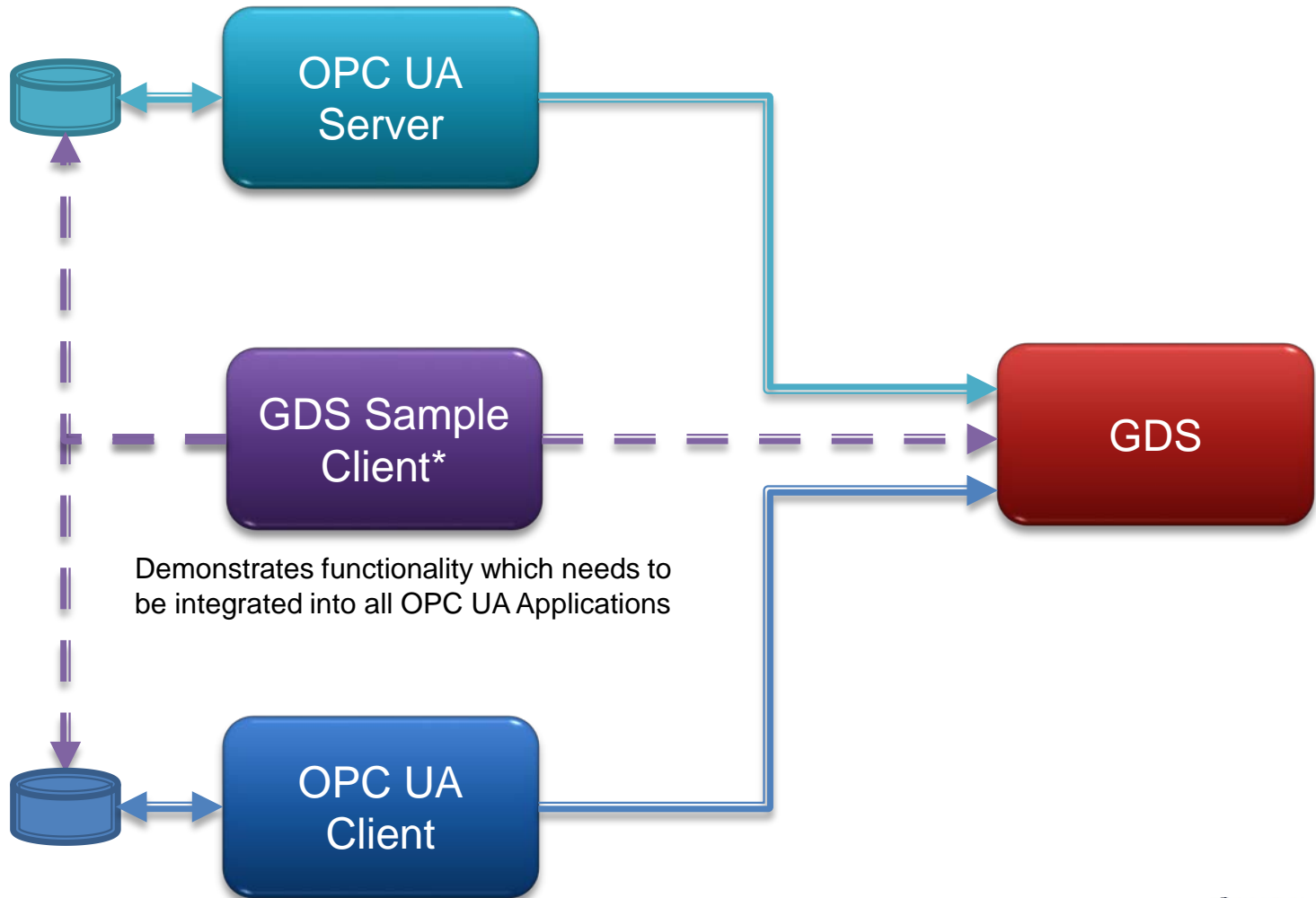
Key Features of the GDS



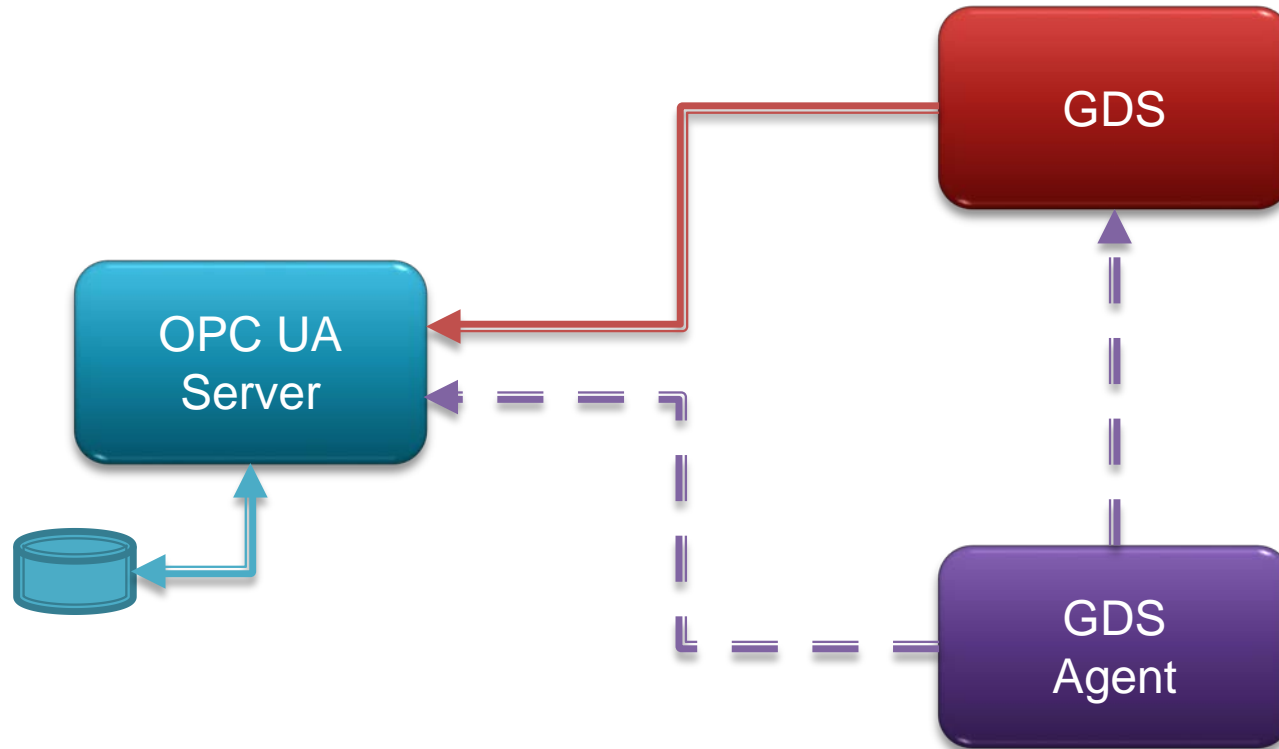
Accessing the GDS

- The GDS is a Server and requires a Client to access it;
- The Client can be stand-alone or embedded in a UA application;
- The GDS Agent is a generic Client used to access a GDS;
- “Pull Mode” used for Clients and existing Servers;
- “Push Mode” used for Servers which support remote configuration;

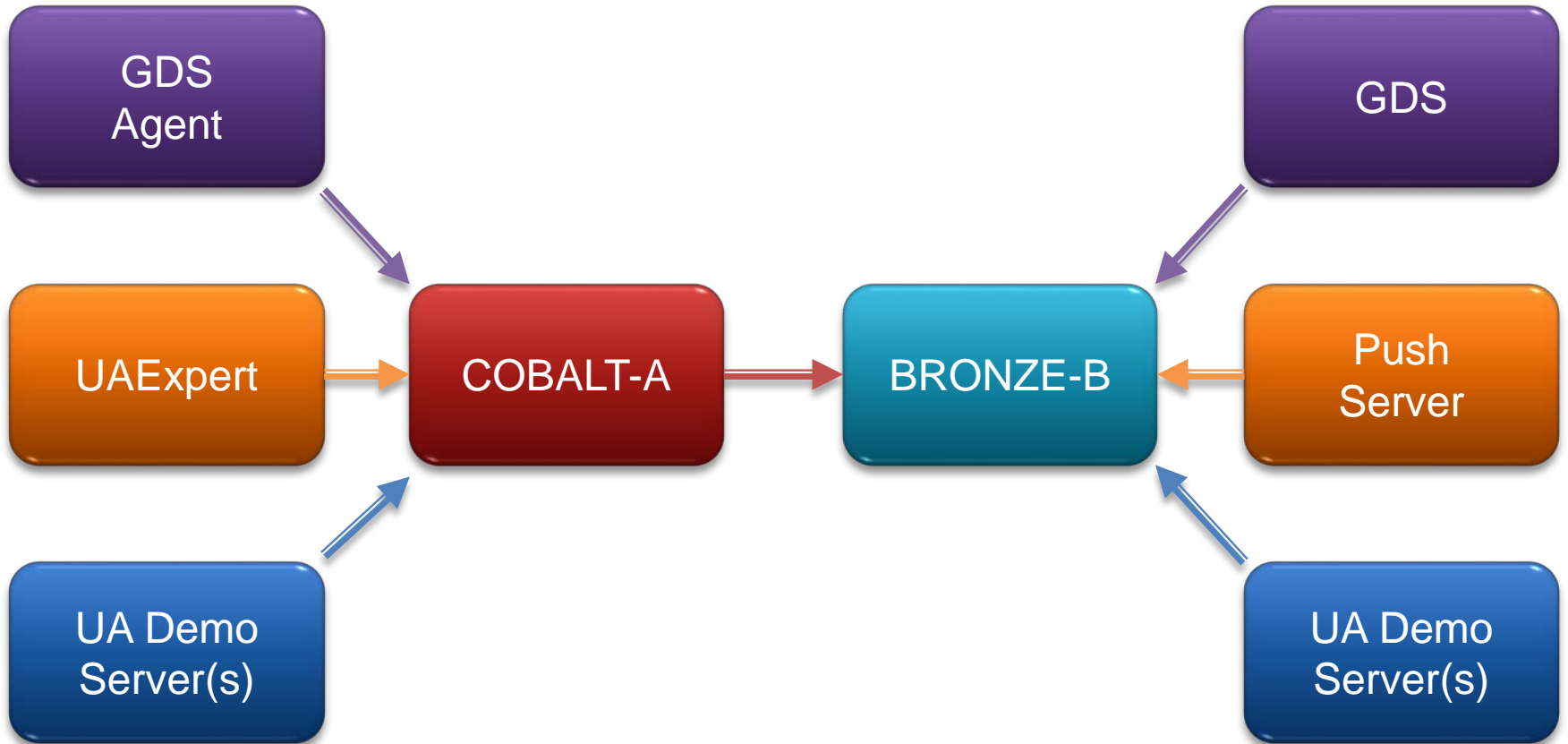
Pull Management



Push Management



Demo Setup



End of Part 1

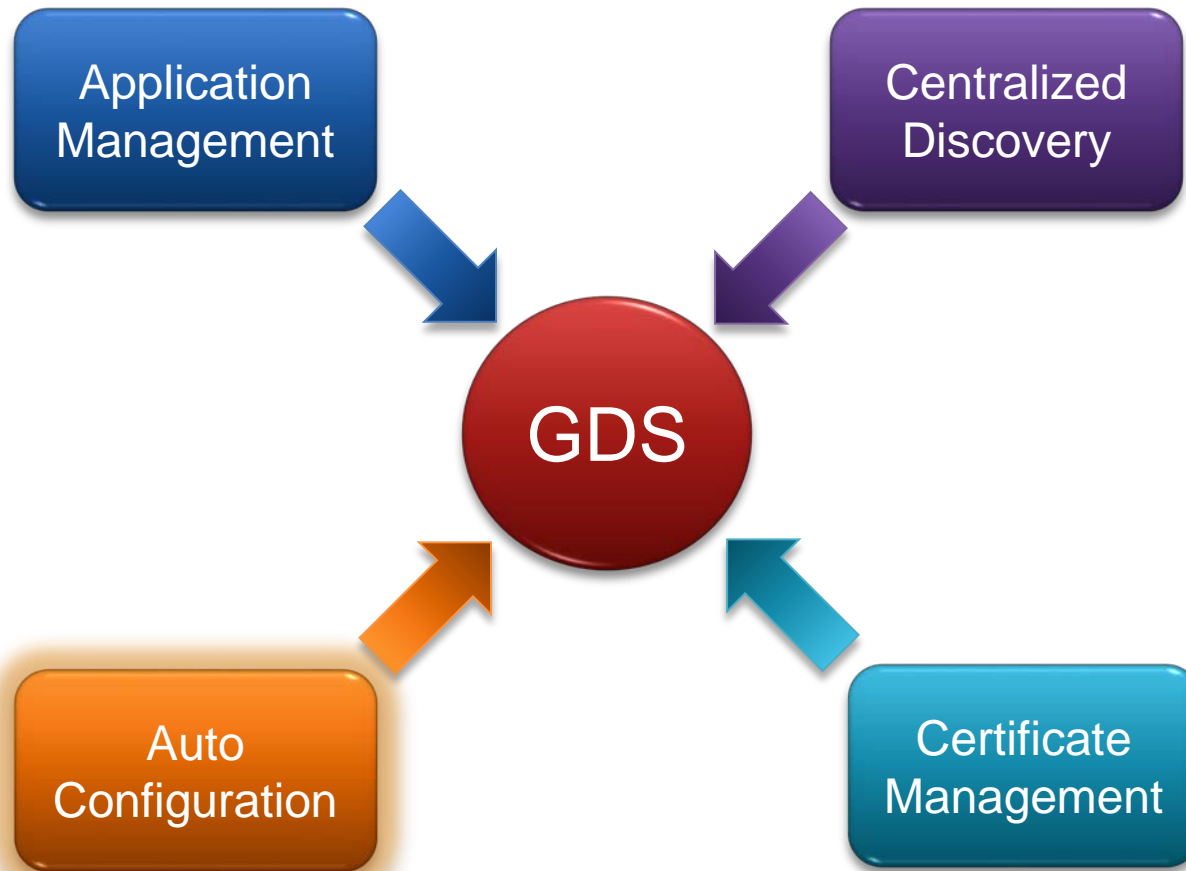
Global Discovery Server Demonstration



Part 2: Multicast Discovery and Auto-configuration

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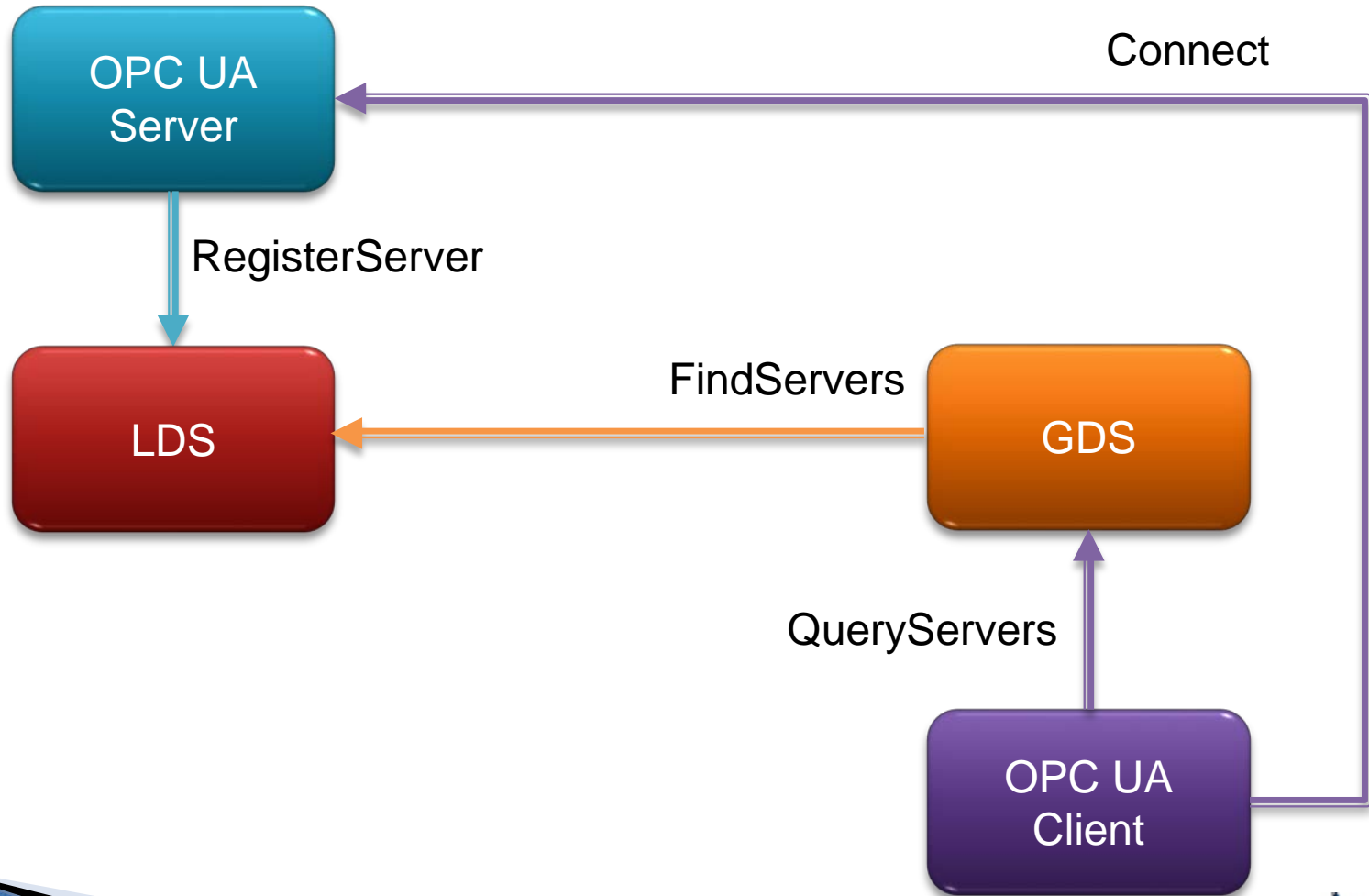
Key Features of the GDS



Manual Configuration of Known Hosts

- The GDS can be told of Hosts on the network;
- The GDS periodically calls FindServers on the LDS;
- The GDS creates records automatically for the Servers found;
- Needs GDS specific logic to handle removal/cleanup;

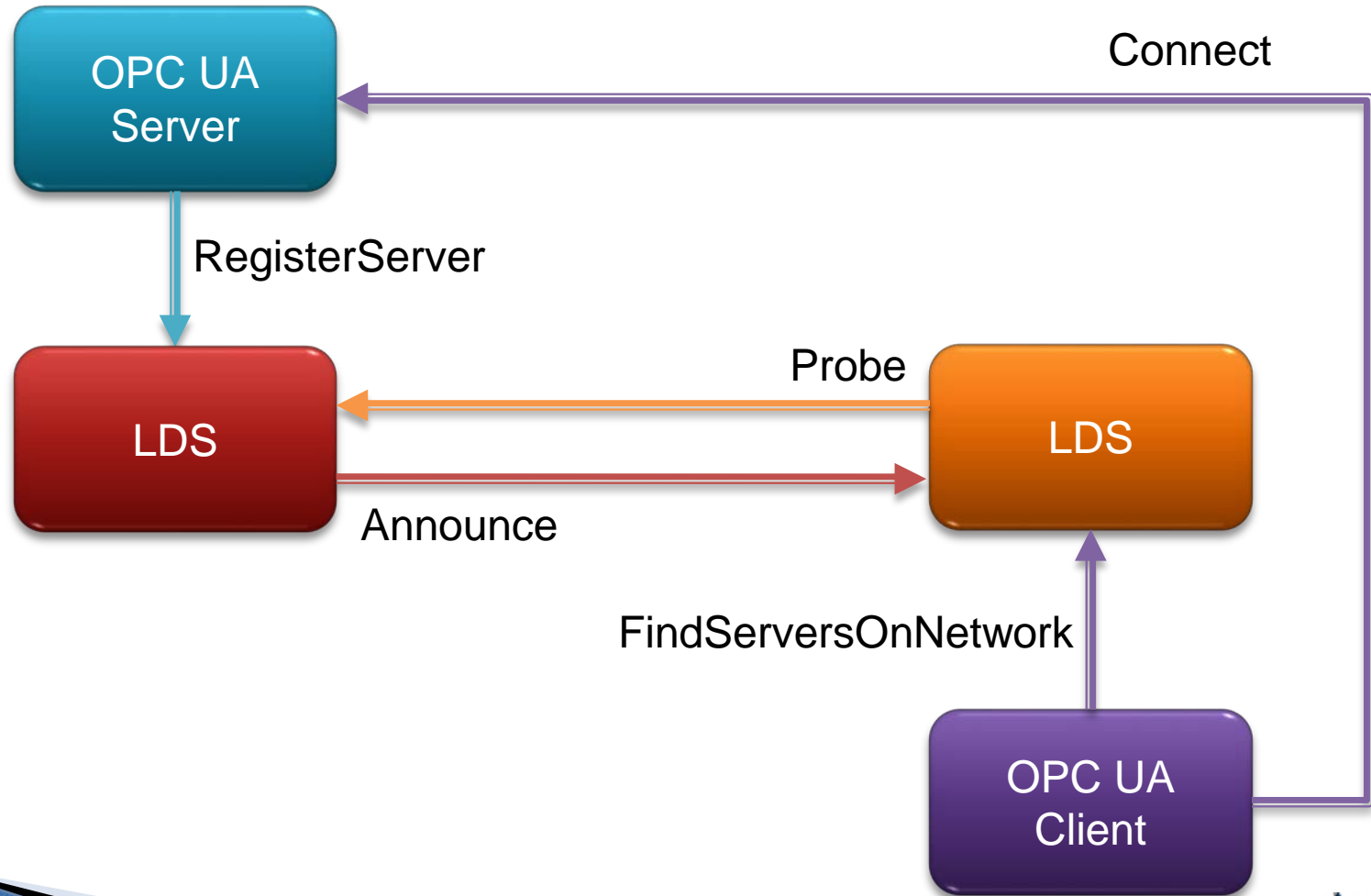
Discovery via Known HostNames



Multicast DNS (mDNS)

- Multicast Discovery based on an RFC;
- Widely used in Apple and Linux world;
- mDNS protocol hidden by the LDS;
- Clients should be able to call the FindServersOnNetwork;

Discovery via mDNS



End of Part 2

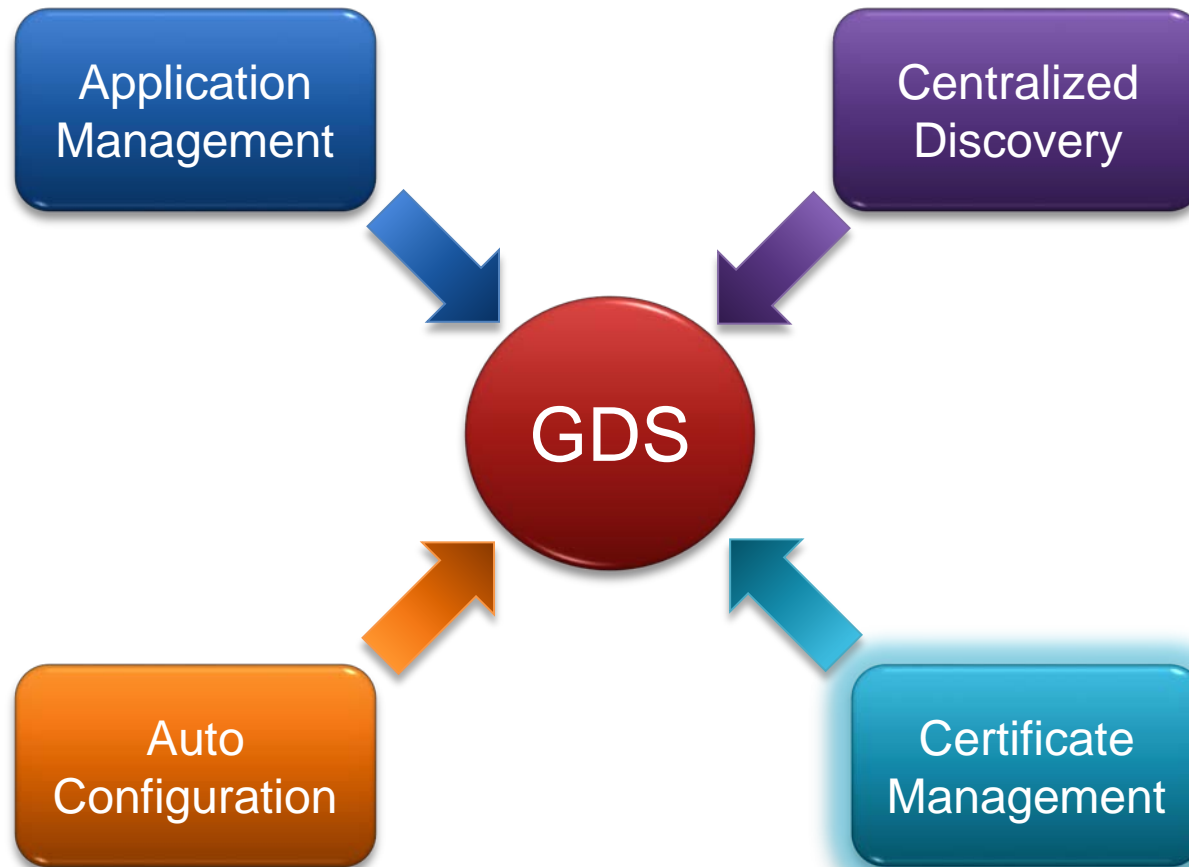
Global Discovery Server Demonstration



Part 3: Certificate Management

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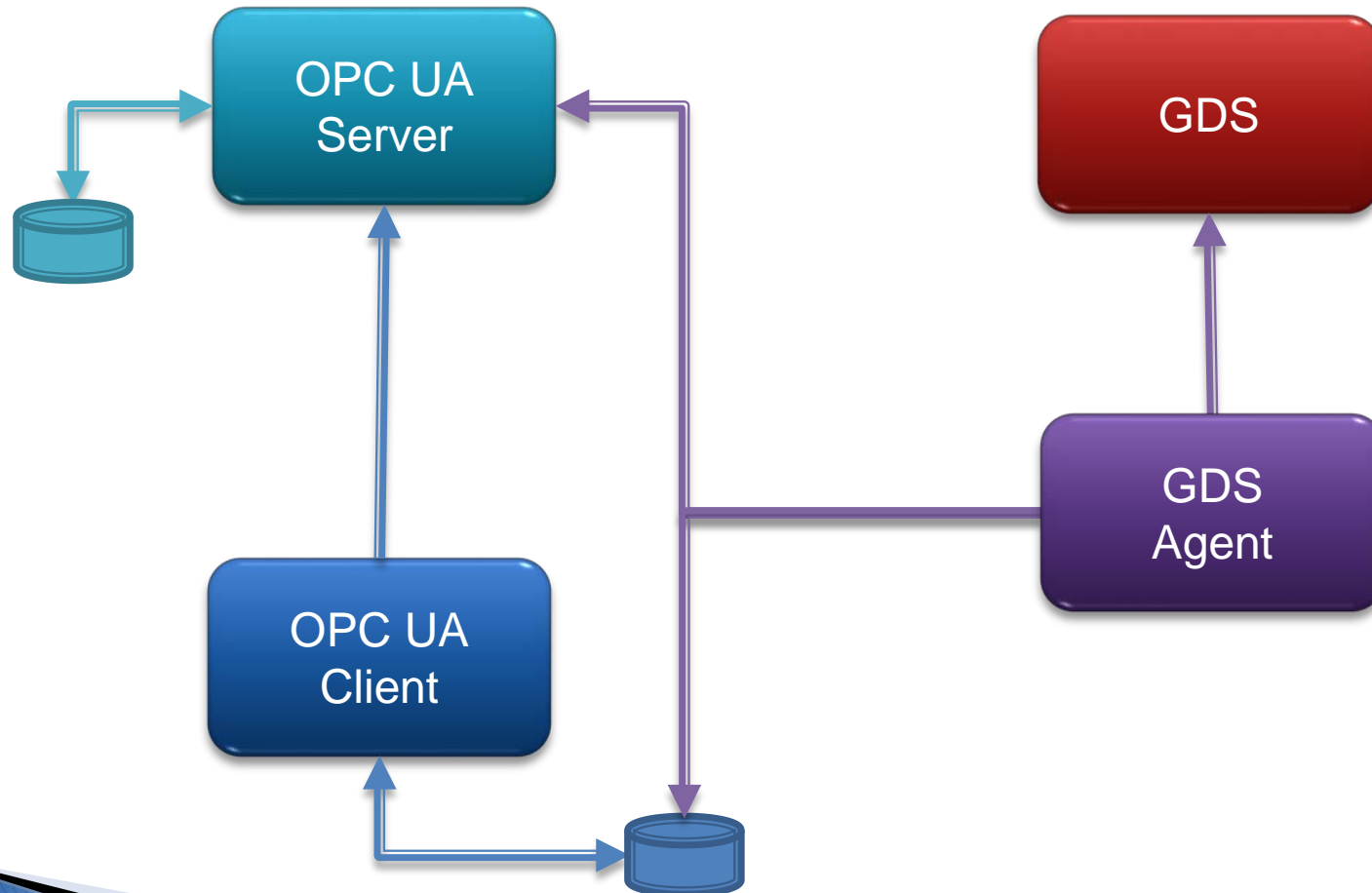
Key Features of the GDS



Certificate Authorities

- The GDS Demo has a single CA for all Applications;
- When requested the GDS issues a new CA signed certificate;
- The Trust List distributed only has the CA certificate;
- This means all applications with a GDS issued certificate trust all other application;

Certificate Management



End of Part 3