SYBASE®
An SAP® Company

Quick Start: Online Data Proxy

Sybase Unwired Platform 2.1

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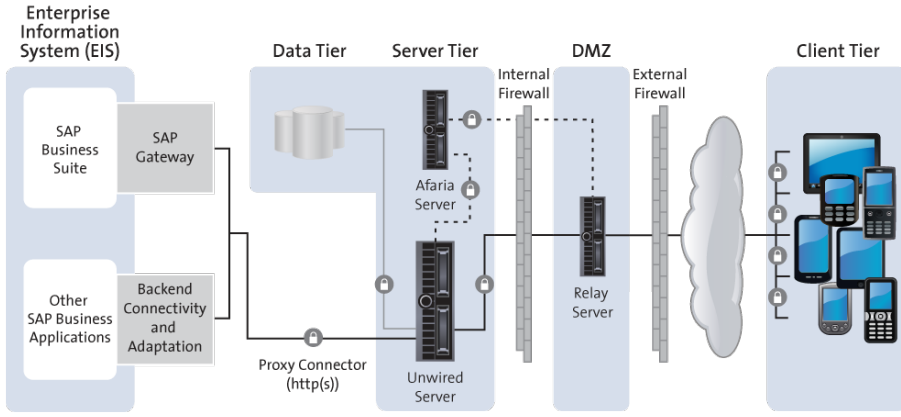
CHAPTER 1 Overview of Online Data Proxy

Online Data Proxy is a light-weight edition of the Sybase® Unwired Platform that provides a robust mobile infrastructure for enterprise IT organizations to securely roll-out and manage the deployment of light-weight applications in a controlled and monitored approach.



Online Data Proxy provides:

- Runtime infrastructure that allows deployment of simple and easy-to-use application functionality to end users that includes the delivery of push notifications to mobile devices.

  OData SDK applications are simple mostly online request-response style applications. These applications, developed using the Sybase Mobile SDK, are deployed via Online Data Proxy. For information about developing OData SDK Applications, see *Developer Guide: OData SDK*.

  The Online Data Proxy runtime landscape uses Unwired Server, Data tier, Afaria, and Relay Server components, that are also common to the Unwired Platform Runtime option. See *Fundamentals*.
- Secure proxy connection via back end adaptations like SAP® Gateway to existing on-premise enterprise applications (SAP or non-SAP), other application providers or custom-built applications.

  OData stands for "Open Data Protocol" and is a resource-based web protocol for querying and updating data. It is released by Microsoft under the Open Specification Promise to allow anyone to freely interoperate with OData implementations. OData defines operations on resources using HTTP verbs (GET, PUT, POST, and DELETE), and it identifies those resources using a standard URI syntax. Data is transferred over HTTP using the Atom or JSON format.

OData for SAP Products provide SAP Extensions to the OData protocol that enable users to build user interfaces for accessing the data published via OData. The interfaces require human-readable, language-dependent labels for all properties and free-text search within collections of similar entities and across (OpenSearch).

See also

- *Chapter 2, Quick Start Task Flow* on page 3

CHAPTER 2 Quick Start Task Flow

This section provides a quick reference to information and task flows relevant to Online Data Proxy.

1. *Planning Deployment*

   You can deploy Online Data Proxy as either a personal system or as an enterprise system.
2. *Installing Online Data Proxy*

   Install Online Data Proxy, including Unwired Platform server components (Unwired Server and data tier).
3. *Configuring Online Data Proxy for OData SDK Applications*

   Provides a quick reference to all configuration tasks performed on the Sybase Control Center.
4. *Administration and Security of Online Data Proxy*

   Administer and implement security for Online Data Proxy.

See also

- *Chapter 1, Overview of Online Data Proxy* on page 1

Planning Deployment

You can deploy Online Data Proxy as either a personal system or as an enterprise system.

Learn about planning your deployment by reading *System Deployment* in the *Installation Guide for Runtime*.

Plan the system deployment and use the worksheet and checklists specific to your deployment scenario.

Unwired Platform Installation Worksheets

- *Personal System Installation Worksheet*

  Use this worksheet to record the information you need to complete a personal system installation.
- *Enterprise System Installation Worksheet*

  Use this worksheet to record the information you need to complete an enterprise system installation.

Unwired Platform Installation Checklists

- *Personal System Installation Checklist*
  Use this checklist to plan a personal system installation.
- *Enterprise System Installation Checklist*
  Use this checklist to plan an enterprise system installation.

Installing Online Data Proxy

Install Online Data Proxy, including Unwired Platform server components (Unwired Server and data tier).

The *Installation Guide for Runtime 2.1* provides instructions for completing the Online Data Proxy runtime option. See the following sections:

- *Installing a Personal System*
  Install Online Data Proxy on a single-user host.
- *Deploying an Enterprise System*
  Install Online Data Proxy on a server, to support multiple users. Online Data Proxy cannot be installed as a clustered system.
- *Deploy Relay Server*
  Deploy a Relay Server as part of Online Data Proxy.

Configuring Online Data Proxy for OData SDK Applications

Provides a quick reference to all configuration tasks performed on the Sybase Control Center.

The following steps and links identify sections in *Sybase Control Center for Online Data Proxy* that provide information about working with Sybase Control Center to configure Online Data Proxy.

1. *Getting Started with Production Online Data Proxy*
   Get started using Sybase Control Center to manage light-weight applications, which use proxy connections to back end data sources, in a production system. This includes post-installation testing and configuration, launching the console, and
2. *Relay Server*
   Configure the relay server.
3. *Unwired Server*
   Configure Unwired Server.
4. *Domains*
   Create and configure domains, domain connection pools and domain logs.
5. *Security Configurations*
   Create and configure security configurations and security providers.
6. *Application Connections and Templates*

Create application connections and templates and set properties for these connections.

7. *Server Logs*
   Manage the Unwired Server log settings.

Note: In general, references information pertaining to Messaging-based synchronization (MBS), replication-based synchronization (RBS), LDAP, Data Change Notification (DCN), Mobile Business Objects (MBOs), SNMP Notifications are areas of configuration that are not applicable to Online Data Proxy.

Administration and Security of Online Data Proxy

Administer and implement security for Online Data Proxy.

System Administration provides comprehensive information about administering the runtime environment. The following identifies specific areas applicable to Online Data Proxy.

- *Administration of Online Data Proxy*
  Administration concepts and tasks applicable to Online Data Proxy, including device and application provisioning, and application and user management.

Security provides comprehensive information about securing the runtime environment. The following identifies specific tasks for implementing security for Online Data Proxy.

- *Security of Online Data Proxy*
  Describes the security task flow to enable single sign-on over secure paths for OData applications. This includes preparing for the SAP Gateway connection, setting up security configurations, and provisioning security artifacts.

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