



Quick Start: Online Data Proxy

Sybase Unwired Platform 2.1

ESD #3

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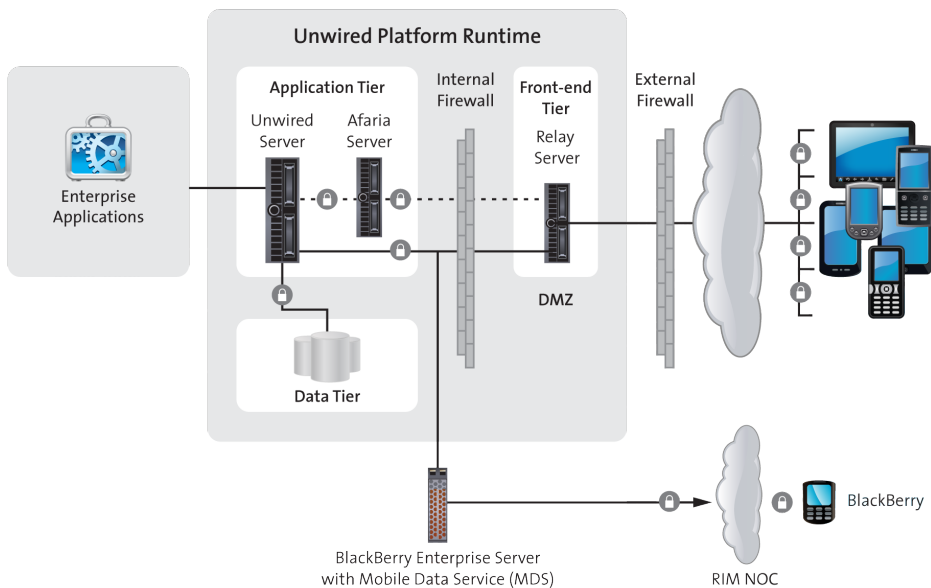
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Online Data Proxy is a light-weight edition of the Sybase® Unwired Platform that provides a robust mobile infrastructure for enterprise IT organizations to securely roll-out and manage the deployment of light-weight applications in a controlled and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



The Sybase Unwired Platform runtime landscape provides common architecture used to deploy OData SDK applications using the Online Data Proxy option.

This Runtime option 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, that are developed using the Sybase Mobile SDK and consume Open Data Protocol, 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.

CHAPTER 1: Overview of Online Data Proxy

For BlackBerry deployment, the BlackBerry Enterprise Server (BES) becomes part of the landscape to manage secure connections with mobile devices. In this case, Relay Server is optional for handling load balancing.

See *Fundamentals* for additional information about these landscape components.

- 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.

Note: OData SDK 2.1.x supports data exchange only in ATOM XML 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

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

Note: As of Unwired Platform version 2.1 ESD #1, clusters for an Online Data Proxy installation are supported. To install Online Data Proxy as a clustered system, follow the steps listed for *Installing Online Data Proxy in a Cluster* in the *Release Bulletin for Runtime* and the cover letter provided with the 2.1 ESD download.

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*

CHAPTER 2: Quick Start Task Flow

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).

- Install a Clustered System
See the *Release Bulletin for Runtime* for information about installing Online Data Proxy in a clustered system.

The *Installation Guide for Runtime 2.1* provides instructions for completing the initial Online Data Proxy runtime option installation. 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.
- *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 Clusters*
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. *Clusters*
Configure clusters, if applicable to your implementation.
3. *Relay Server*

- Configure the relay server.
4. *Unwired Server*
Configure Unwired Server.
 5. *Domains*
Create and configure domains, domain connection pools and domain logs.
 6. *Security Configurations*
Create and configure security configurations and security providers.
 7. *Application Connections and Templates*
Create application connections and templates and set properties for these connections.
 8. *Unwired 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 for 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.

- *Enabling Single Sign-on for OData Applications*
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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