webMethods Simplification UI Design

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Concepts

Data System

Some entity, such as a bottler, that sends or receives data.

Data Type

A data type is a specification for the format and purpose of a document.

Gateway Type

A Gateway Type specifies the protocol that data comes from.

A Gateway Type can be push or pull.

Gateway Types are implemented with code as Gateway Services. Gateway Services are configurable outside of code. The configuration parameters are specific to the Gateway Type. Pull Gateway Types have a configurable schedule.

All transactions coming through a Gateway Service are logged.

Process Type

A Process Type defines how a transaction is routed and processed. Example process types are transform, delay, batch, and deliver.

Process Types are implemented with code as Process Services. Process Services are configurable outside of code. The configuration parameters are specific to the Process Type.

Each Process Type has two job queues: standard and priority. These queues work exactly the same, but the priority queue is reserved for priority transactions. Each queue drives a duplicate, independent, but identical Process Service.

All transactions that go through a Process Service are logged.

Delivery Type

A Delivery Type specifies the protocol that data is delivered with.

Delivery Types are implemented with code as Delivery Services. Delivery Services are configurable outside of code. The configuration parameters are specific to the Delivery Type.

All data delivered through a Delivery Service is logged.

Integration

Integrations specify the sender and receiver Data Systems, as well as a Data Type and a Process Type.

Integrations can be marked priority so that they are processed by the priority queue for their Process Service.

Transaction

A single document that moves through the system. A transaction moves through an ingestion and processing stage and an optional delivery stage.

Configuration Use Cases

Configuration changes are made through the Configuration UI in dev. All configuration changes must be promoted through all non-production environments in order to be deployed to production.

Create a Data System

Steps

1. Navigate to New Data System page
2. Input the name of the Data System
3. Save

Create a Data Type

Steps

1. Navigate to the New Data System page
2. Input the name of the Data Type
3. Save

Configure an NFS Gateway

Prerequisites

- Data Type is already created
- Sender Data System is already created

Steps

1. Navigate to the New Gateway page
2. Input the name of the Gateway
3. Select NAS Gateway Type
4. Input the search path/regex
5. Input the polling interval
6. Optionally select 'Delete after retrieval'
7. Select appropriate Data Type
8. Select appropriate sender Data System
9. Save

Configure Integration with Delivery

Prerequisites

- Data Type is already created
- Sender Data System is already created
- Receiver Data System is already created

Steps

1. Navigate to the New Integration page
2. Input the name of the integration
3. Select appropriate Data Type
4. Select appropriate sender Data System
5. Select appropriate receiver Data System
6. Add new Integration Step
7. Select 'Delivery' Process Type
8. Save

Configure MultiStep Integration with Decryption

Prerequisites

- Original Data Type is already created
- Sender Data System is already created
- Receiver Data System is already created

Steps

1. Navigate to the New Integration page
2. Input the name of the integration
3. Select appropriate Original Data Type
4. Select appropriate sender Data System
5. Optionally select appropriate receiver Data System
6. Add new Integration Step
7. Select 'Decrypt' Process Type
8. Configure decryption settings
9. Upload decryption key
10. Add new Integration Step
11. Select 'Delivery' Process Type
12. Save

Configure Dynamic Routing Lookup

- Data System is already created

Steps

1. Navigate to the New Dynamic Routing page
2. Input Sender Identifier
3. Select Data System
4. Save

Configure Integration with a dynamic Sender

Prerequisites

- Data Type is already created
- Data System is already created

Steps

1. Navigate to the New Integration page

2. Input the name of the integration
3. Select appropriate Data Type
4. Select appropriate sender Data System
5. Add new Integration Step
6. Select 'Dynamic Routing' Process Type
7. Configure dynamic sender path
8. Save

Configure Integration with a dynamic Receiver

Prerequisites

- Data Type is already created
- Data System is already created

Steps

1. Navigate to the New Integration page
2. Input the name of the integration
3. Select appropriate Data Type
4. Select appropriate sender Data System
5. Add new Integration Step
6. Select 'Dynamic Routing' Process Type
7. Configure dynamic receiver path
8. Save

Configure Integration with batched delivery

Prerequisites

- Original Data Type is already created
- New Data Type is already created
- Data System is already created

Steps

1. Navigate to the New Integration page
2. Input the name of the integration
3. Select appropriate Original Data Type
4. Select appropriate sender Data System
5. Add new Integration Step
6. Select 'Batch' Process Type
7. Select New Data Type
8. Save

Configure MultiStep Integration with batched delivery

Prerequisites

- Original Data Type is already created
- New Data Type is already created
- Data System is already created

Steps

1. Navigate to the New Integration page
2. Input the name of the integration
3. Select appropriate Original Data Type

4. Select appropriate sender Data System
5. Add new Integration Step
6. Select 'Batch' Process Type
7. Add new Integration Step
8. Select 'Delivery' Process Type
9. Save

Configure Integration with EDI Splitting

Prerequisites

- Data Type is already created
- Data System is already created

Steps

1. Navigate to the New Integration page
2. Input the name of the integration
3. Select appropriate Data Type
4. Select appropriate sender Data System
5. Add new Integration Step
6. Select 'EDI Split' Process Type
7. Save

Configure Integration with bundled documents

Prerequisites

- Original Data Type is already created
- New Data Type is already created
- Data System is already created

Steps

1. Navigate to the New Integration page
2. Input the name of the integration
3. Select appropriate Original Data Type
4. Select appropriate sender Data System
5. Add new Integration Step
6. Select 'Split' Process Type
7. Select root path
8. Select New Data Type
9. Save

Configure NFS Delivery for Data System

Prerequisites

- Receiver Data System is already created
- Sender Data System is already created
- Data type is already created

Steps

1. Navigate to the New Delivery page for the receiver Data System
2. Optionally select Data Type
3. Optionally select sender Data System
4. Select Delivery Type

5. Configure delivery path
6. Save

Configure Scheduled Delivery for Data System

Prerequisites

- Receiver Data System is already created
- Sender Data System is already created
- Data type is already created

Steps

1. Navigate to the New Delivery page for the receiver Data System
2. Optionally select Data Type
3. Optionally select sender Data System
4. Select Delivery Type
5. Configure delivery
6. Select 'Scheduled Delivery'
7. Input start time
8. Input end time
9. Save

Operational Use Cases

Operational tasks are made through the Operational UI in any environment. Operational changes are made only to the specific environment they are run in.

Create Ad-Hoc Hold Period for Data System

Prerequisites

- Data System is already created

Steps

1. Navigate to the new Ad-Hoc Hold page
2. Select the Data System
3. Optionally select Data Type
4. Optionally select sender Data System
5. Input start time
6. Input end time
7. Save

View Transactions going to a Data System

Prerequisites

- Data System is already created

Steps

1. Navigate to Transaction List Page
2. Select 'Filter by Receiver Data System'
3. Select the Data System

View Transactions coming from a Data System

Prerequisites

- Data System is already created

Steps

1. Navigate to Transaction List Page
2. Select 'Filter by Sender Data System'
3. Select the Data System

View Transactions for a Data Type

Prerequisites

- Data Type is already created

Steps

1. Navigate to Transaction List Page
2. Select 'Filter by Data Type'
3. Select the Data Type

View NFS Polling Logs

Prerequisites

- Data Type is already created

Steps

1. Navigate to Transaction List Page
2. Select 'Filter by Data Type'
3. Select the Data Type

Find root cause for failed transaction

Steps

1. Navigate to Transaction List Page
2. Select 'Filter by Failed transactions'
3. Select failed transaction
4. Look at Payload, Logs, and Configuration
5. If no issue is found, select the parent transaction and perform step 4