HP SOA Systinet

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Business Analyst User Guide

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About this Guide

Welcome to HP SOA Systinet, the foundation of Service Oriented Architecture, providing an enterprise with a single place to organize, understand, and manage information in its SOA. The standards-based architecture of SOA Systinet maximizes interoperability with other SOA products.

HP Software controls access to components of SOA Systinet with a license. This document describes the full functionality of SOA Systinet including licensed components. If your license does not include these licensed components, their features are not available.

In this Guide

SOA Systinet Business Analyst User Guide describes the features and functionality of the product for users with the Business Analyst role, whose primary role is the proposal of new service functionality.

This guide describes the default installation of SOA Systinet. All functionality and screenshots in this guide are the default functionality for the Business Analyst perspective.

The **Administrator** can modify and customize perspectives.

For details, see "Customizing the User Interface" in the *HP SOA Systinet Administrator Guide*.

This guide contains the following chapters:

- Chapter 1, Getting Started
- Chapter 2, Discovering Content
- Chapter 3, Creating Functionality
- Chapter 4, Managing Content

- Chapter 5, Lifecycle Governance
- Chapter 6, Consuming Services

Document Conventions

This document uses the following typographical conventions:

run.bat make	Script name or other executable command plus mandatory arguments.
[--help]	Command-line option.
either | or	Choice of arguments.
replace_value	Command-line argument that should be replaced with an actual value.
{arg1 | arg2}	Choice between two command-line arguments where one or the other is mandatory.
`java -jar hpsystinet.jar`	User input.
`C:\System.ini`	File names, directory names, paths, and package names.
`a.append(b);`	Program source code.
`server.Version`	Inline Java class name.
`getVersion()`	Inline Java method name.
Shift+N	Combination of keystrokes.
Service View	Label, word, or phrase in a GUI window, often clickable.
OK	Button in a user interface.
New→Service	Menu option.

Documentation Updates

This guide's title page contains the following identifying information:

- Software version number, which indicates the software version
- Document release date, which changes each time the document is updated
- Software release date, which indicates the release date of this version of the software

To check for recent updates, or to verify that you are using the most recent edition of a document, go to:

http://h20230.www2.hp.com/selfsolve/manuals

This site requires that you register for an HP Passport and sign-in. To register for an HP Passport ID, go to:

http://h20229.www2.hp.com/passport-registration.html

Or click the **New users - please register** link on the HP Passport logon page.

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Support

You can visit the HP Software Support Web site at:

http://www.hp.com/go/hpsoftwaresupport

HP Software Support Online provides customer self-solve capabilities. It provides a fast and efficient way to access interactive technical support tools needed to manage your business. As a valued support customer, you can benefit by using the HP Software Support web site to:

- Search for knowledge documents of interest
- Submit and track support cases and enhancement requests
- Download software patches
- Manage support contracts
- Look up HP support contacts
- Review information about available services
- Enter into discussions with other software customers
- Research and register for software training

Most of the support areas require that you register as an HP Passport user and sign in. Many also require a support contract.

To find more information about access levels, go to:

http://h20230.www2.hp.com/new_access_levels.jsp

To register for an HP Passport ID, go to:

http://h20229.www2.hp.com/passport-registration.html

1 Getting Started

This chapter gives an overview of Business Analyst use cases and the user interface.

This chapter contains the following sections:

Business Analyst Overview

A Business Analyst is a negotiator between the business side of an enterprise and the providers of services to the enterprise. The business analyst understands business problems and opportunities in the context of the requirements and recommends solutions that enable the organization to achieve its goals. Solutions often include a systems development component, but may also consist of process improvement or organizational change.

The primary focus of the Business Analyst UI is to facilitate the proposal of new functionality.

The following chapters describe these primary uses cases:

- Chapter 2, Discovering Content

  Browse and search the repository in order to find out where new functionality may be required.

- Chapter 3, Creating Functionality

  Propose new functionality by creating new services, business processes, or applications.

- Chapter 4, Managing Content

  Further define new functionality by attaching documentation and SLOs to the new artifacts.

- Chapter 5, Lifecycle Governance

  Submit artifacts for lifecycle approval.

- Chapter 6, Consuming Services

  Request a contract for a service you want to consume.

Accessing the User Interface

Before attempting to use SOA Systinet, make sure that it is running on the server you want to access.

To access the web UI, use one of the web browsers listed in "Supported Platforms" in the *HP SOA Systinet Installation and Deployment Guide*.

Enter the URL into your browser in the form:

***protocol*://*server*:*port*/*context*/web**

- *protocol* is either http, or https if you want to create a secure connection using SSL.
- *server*, *port*, and *context* are determined during installation.

The default ports are 8080 for HTTP and 8843 to use HTTPS.

For example:

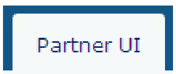
- `http://mypc:8080/soa/web`
- `https://ourserver:8843/soa/web`

This should display the sign-in screen. Use the credentials provided by your administrator to sign in.

By default, logins are case-insensitive. This can be changed by altering the configuration file as described in "Configuring the User Store" in the *HP SOA Systinet Installation and Deployment Guide*.

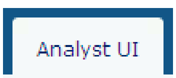
The user interface varies according to your role. The easiest way to identify which UI you use and which user guide applies to you is to examine the UI tabs:

- **Business Partner**

  For details of the **Partner UI**, see the *HP SOA Systinet Business Partner User Guide*.

- **Business Analyst**

  For details of the **Analyst UI**, see the *HP SOA Systinet Business Analyst User Guide*.

- **All Other Roles**

  For details of the **Standard UI** for all other roles, see the *HP SOA Systinet User Guide*.

Managing Your Profile

When you first sign in, SOA Systinet creates a user profile for you based on your account in the external user store.

Your can amend your profile details.

To change profile details:

1. Click **My Profile** to display your profile information.
2. Click **Edit**.
3. Edit your profile details as required:

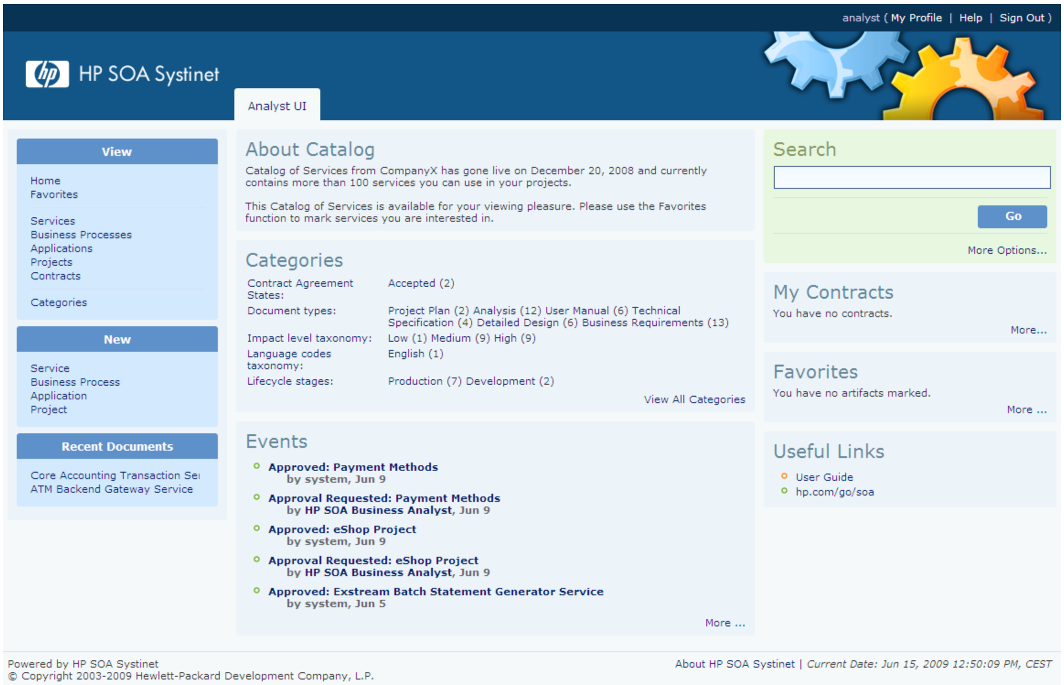
Parameter	Definition
Name	Your profile name.
Description	Your profile description.
Email	The email used for notifications. Use **Add** to make multiple entries. Email can only be amended if SOA Systinet is not integrated with an LDAP/AD user store.
Phone	Your phone details. Use **Add**to make multiple entries.
Instant Messenger	Your IM details. Use **Add** to make multiple entries.
Instant Messenger	Your IM details. Use **Add** to make multiple entries.
Keywords	Add search terms for your profile.
Address	Your postal address details.

4. Click **Save** to confirm the changes.

Business Analyst UI

The Business Analyst Homepage displays all the information you require to perform your role quickly and easily.

Figure 1. Business Analyst Homepage



The Business Analyst Homepage is divided into the menu on the left side of the page and a number components:

- **Business Analyst Menu**

  Describes the items in the Business Analyst Menu. For details, see Business Analyst Menu on page 14.

- **About Catalog**

A text component showing custom text set by the administrator.

- **Search**

  A quick search component to access data in the repository. For details, see Searching for Services on page 29.

- **Categories**

  A browsing component that enables you to browse the repository based on the taxonomic categories applied to the artifacts in the repository. For details, see Category Browsing on page 32.

- **My Contracts**

  A component showing a list of contracts you have initiated. For details, Chapter 6, Consuming Services.

- **Favorites**

  A component providing quick access to artifacts you have marked as favorites. For details, see Favorites on page 16.

- **Useful Links**

  A set of links providing quick access to information such as this user guide and the HP SOA website.

- **Events**

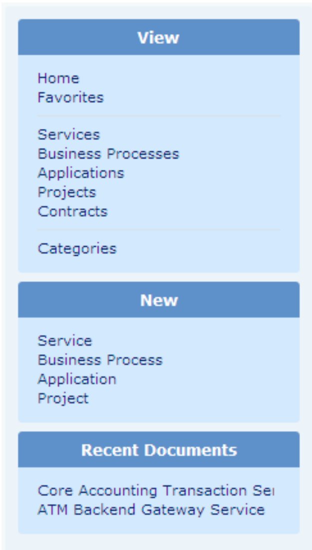
  A component listing the latest actions resulting from requests you have submitted. For details, see Events on page 17.

You can return to the homepage at any time by clicking the **Analyst UI** tab title.

Business Analyst Menu

The menu is the same in all pages in the Business Analyst UI.

Figure 2. Business Analyst Menu



The Business Analyst menu is divided into the following sections:

- **View**

  Set of navigation links to the following pages:

  - **Home**

    A link to the Business Partner Homepage. For details, see Business Analyst UI on page 13.

  - **Favorites**

    A link to a page displaying your favorite artifacts. For details, see Favorites on page 16.

  - Artifact Types

    a set of links to artifact browse pages. For details, see Browsing Services on page 34.

  - **Categories**

A link to the category browsing page. For details, see Category Browsing on page 32.

- **New**

  A set of links to create new artifacts. For details, see Chapter 3, Creating Functionality.

- **Recent Documents**

  The last few artifacts you looked at.

Favorites

SOA Systinet enables you to mark artifacts as favorites to enable easy access to artifacts of interest.

To add an artifact to your favorites:

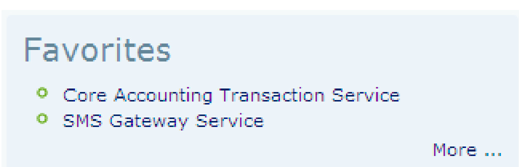
1 Do one of the following:

- In an artifact detail page, in the Context Menu component, click **Add to Favorites**.
- In an artifact browse page or list, if available in the table of artifacts, click the grey star icon for the artifact you want to add.

> Artifacts already marked as favorites are marked in browse views and lists with a gold star.

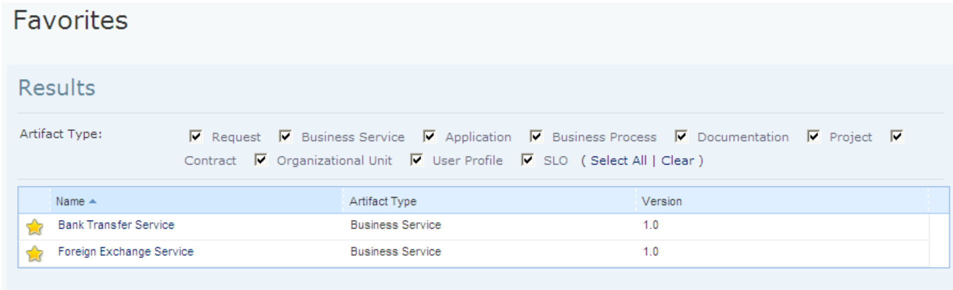
Artifacts marked as favorites appear in the Favorites page and the Favorites component on the Homepage.

Homepage Favorites Component



Click an artifact name to open its detail page, or **More** to open the favorites page.

Favorites Page

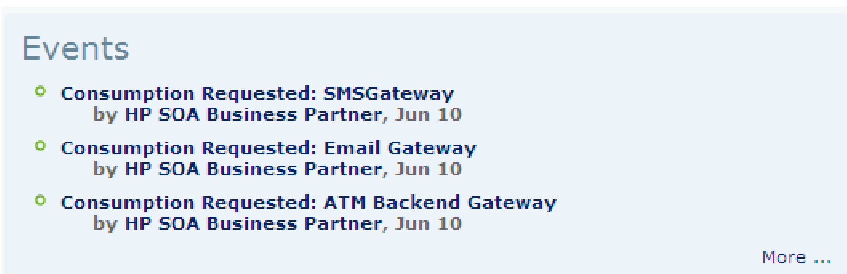


The page lists all your favorite artifacts with selectable artifact type facets to filter the table. Click an artifact name to open its details page. To remove an artifact from your favorites, click the gold star.

Events

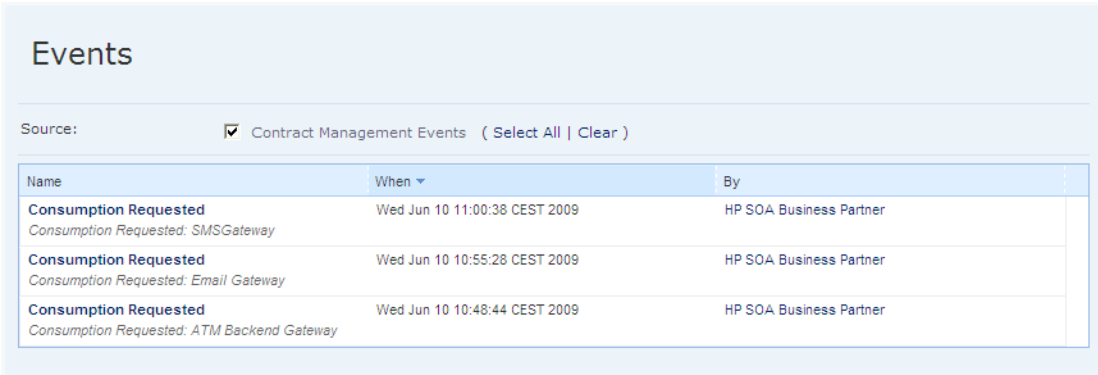
The events component keeps you up-to-date with the status of your requests.

Homepage Events Component



Click an event name to open its detail page, or **More** to open the Events page.

Events Page



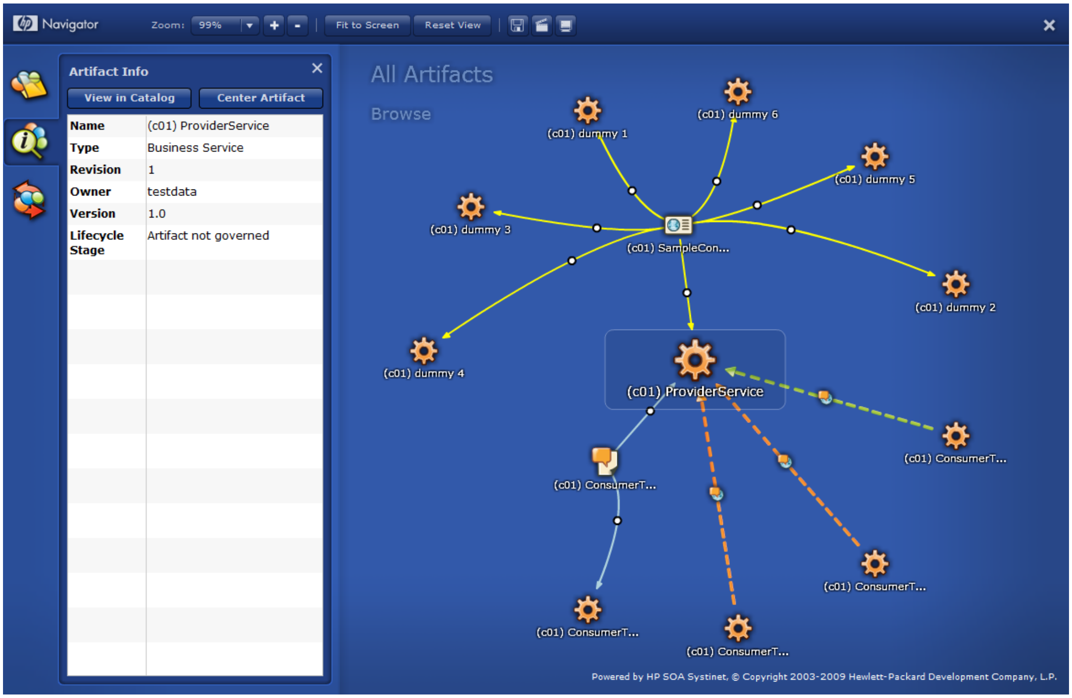
The page lists all events related to your requests. Click an event name to view its details.

Graphical Navigator

The Navigator displays a graphical representation of an artifact and its relationships to other artifacts.

Access the Navigator from the detail view of an artifact in the SOA Systinet UI. Click **Navigator** to open the Navigator.

Figure 3. SOA Navigator



The Navigator consists of the following content:

- The main part of the view is a graph of artifacts and their related artifacts.

  For details, see Navigator Graph on page 20.

- A toolbar of navigator functions.

  For details, see Navigator Toolbar on page 23.

- 

The Navigator offers a set of custom perspectives focused on particular aspects of your SOA, with options to create your own perspectives. For details, see Navigator Perspectives on page 24.

- 

  Open and close an information box for the currently highlighted node. For more details, see Node Information Box on page 25.

- 

  View your selected navigator graph bookmarks. For more details, see Bookmarks on page 26.

The Navigator also provides an impact graph. For details, see Navigator Impact View on page 27.

Navigator Graph

The main purpose of the Navigator view is to provide an overview of an artifact and its relationships. The artifact in focus is the larger icon and the graph consists of the artifacts directly related to it and then further secondary relationships.

Each node in the artifact represents an artifact or a group of artifacts, denoted by an artifact icon.

The icon for each artifact type is customizable. For details, see the *HP SOA Systinet Customization Editor* documentation.

An artifact node can display in the following ways:

- A fully expanded node representing a single artifact with all its relationships expanded and shown in the graph.

This diagram shows a SOAP Service with several outgoing and incoming relationships. View the relationship type by placing the cursor over the small circle in the relationship arrow.

- A node highlighted in a box. This node is the subject of the Artifact Info box on the left.

- A collapsed node representing a single artifact with further relationships collapsed and hidden in the graph.

This diagram shows a WSDL with a number of incoming relationships. Further relationships are collapsed and represented by **(+)**. Double-click the node to expand it and view these relationships.

- A collapsed node representing a group of artifacts.

This diagram shows a set of operations. The operations are collapsed into a single group represented by **(x)** where x is the number of operations in the group. Expand the node using the **Expand Group** context action or the information box for the node.

The following node context actions are available by right-clicking a node:

Node Context Actions

Context Action	Description
View in Catalog	Exit the Navigator view and open the artifact detail page in the SOA Systinet UI.
Impact	View the Navigator Impact tree for the artifact.
Center	Make the artifact the focus of the view and show its relationship graph.
Collapse Tree	Collapse outward relationships from this artifact. Alternatively, double-click an expanded node to collapse it.
Expand	• For groups, open the Information box to select the artifacts to expand using the Artifacts to Expand dialog. • For collapsed nodes, expand the relationships to hidden artifacts. Alternatively, double-click a group or collapsed node to expand it or click the (+) of a collapsed node to expand it.
Expand All	Expand all the artifacts in a group.

You can interact directly with the graph and artifact nodes using the following functionality:

Graph Functions

Function	Description
Move Graph	Move the entire graph by dragging and dropping in an empty part of the graph.

Function	Description
Move Node	Move a node and its related sub-graph by dragging and dropping the artifact node. Hold **CTRL** and drag and drop to only move the selected node.

Navigator Toolbar

The Navigator toolbar contains the following functionality:

Navigator Toolbar Functions

Function	Description
Zoom	Select a zoom level from the drop-down box or use **[+]** or **[-]** to change the zoom level.
Fit on Screen	Click **Fit on Screen** to change the zoom to a level where the entire graph fits on the screen.
Reset View	Click **Reset View** to return to the default layout of the graph for the current artifact in focus.
	Add the current graph layout to your bookmarks.
	Create a screenshot of the current graph.
	Open a full screen view of the current graph. Click the button again or press **Esc** to return to the default navigator view. Some functionality is disabled in the Full Screen view.
Close View	Click **[X]** to close the navigator and return to the page where the navigator was accessed.

Navigator Perspectives

The Navigator provides the Business Partner perspective enabling you to focus on the artifacts that matter to your role or to create your own custom perspectives based on it.

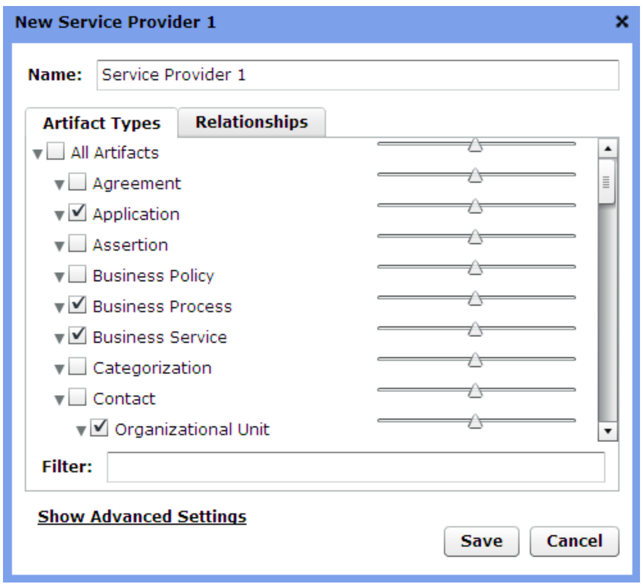
To create a custom navigator perspective:

1 Click  to open the Perspectives dialog.

2 Select the perspective you want to use as the basis for your custom perspective.

3 Click **Create** to open the New Perspective dialog.

The default settings are a copy of the selected perspective.



4 Type a name for your new perspective.

5 In the **Artifact Types** tab, select the artifact types to display and set an emphasis using the sliding scale. Use **Filter** to search for a particular artifact type.

6 In the **Relationships** tab, select the relationships to display and set an emphasis using the sliding scale. Use **Filter** to search for a particular relationship type. The available relationships are determined by the selected artifact types.

7 Expand **Show Advanced Settings** and select from the following settings:

Setting	Description
Displayed Data	Select to show only the last approved or the latest revision of artifacts in lifecycle governance. Ungoverned artifacts display their last revisions.
Annotate Relationships	Select to display relationship labels in the graph.

8 Click **Save** to create your new perspective.

9 To edit or delete a custom navigator perspective, select it and then click **Edit** or **Delete**.

To change navigator perspective:

1 Click  to open the Perspectives dialog.

2 Select the perspective you want to switch to.

Node Information Box

Click  to open the Information box for the currently highlighted node.

Depending on the node there are the following types of Information box:

- **Artifact Info**

  For a single artifact, the Information box shows some artifact details, with the following options:

- **Show in Catalog**

  Exit the Navigator and view the artifact details in the SOA Systinet UI.

- **Center Artifact**

  Make the artifact the focus of the graph.

- **Artifacts to Expand**

  For a group of artifacts artifact, the Information box shows a paged list of the individual artifacts, with the following options:

  - **Expand**

    Select the artifacts to expand from the group and show individually in the graph. The check-box at the top-left enables you to select all artifacts on the current page.

  - **Reset**

    Removes your selection and returns to the first page of the group.

  - **Filter**

    Use the filter to locate a particular artifact in a group.

Bookmarks

The Graphical Navigator enables you to keep bookmarks of particular graph layouts for later reference.

To make a bookmark:

1 Do one of the following:

- Click 

- Click  to open the Bookmarks dialog box and click **Save**.

2 Enter a name, and click **Save** to create a bookmark of the current layout of the graph.

Saved bookmarks are available in the Bookmarks dialog box.

To access a bookmark:

1 Click  to open the Bookmarks dialog box.

2 Place the cursor over a bookmark to view a preview and either double-click a bookmark or select a bookmark and click **Load** to open it.

Bookmarks are also accessible from the Dashboard in the Standard UI. For details, see "Bookmarks Portlet" in the *HP SOA Systinet User Guide*.

Navigator Impact View

You can also view impact of a change to an artifact using the Navigator.

To open the Navigator Impact view:

- Do one of the following:
  - In the Navigator view, open the context menu of an artifact and select **Impact**.
  - In the detail view of an artifact in the Analyst UI, in the green context actions component, click **Impact Report**.

    The Navigator opens showing an impact tree. The selected artifact is at the top and the artifacts it impacts on are in the next row in the tree. The impacted artifacts may also impact on other artifacts and so on through more levels of the impact tree.

You can return to the standard Navigator view by opening the context menu of an artifact in the impact tree, and selecting **Browse**.

2 Discovering Content

The primary role of a Business Analyst is to propose new functionality. This requires easy access to the content already existing in the repository.

This chapter assumes that Services are the primary service artifacts in your SOA hierarchy. The methods described for finding a service also apply to other artifact types, for example Applications.

The Business Analyst UI offers the following methods of finding a service:

- Searching for Services on page 29

  Using the Homepage Search component.

- Category Browsing on page 32

  Browsing the repository by service categorization.

- Browsing Services on page 34

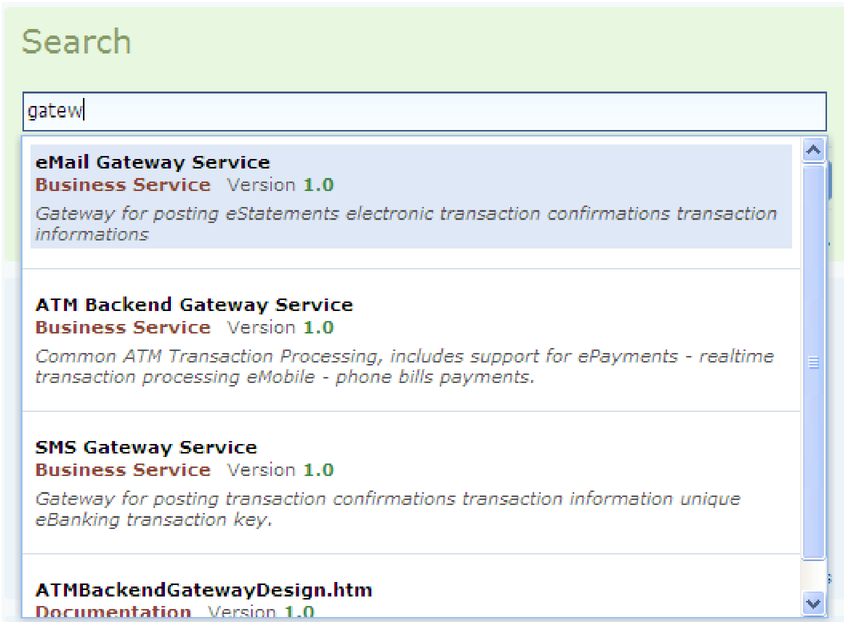
  Browsing the repository by artifact type.

When you find a service of interest, open its details as described in Service Details Page on page 37.

Searching for Services

Homepage Search is the simplest way to find a service in the repository.

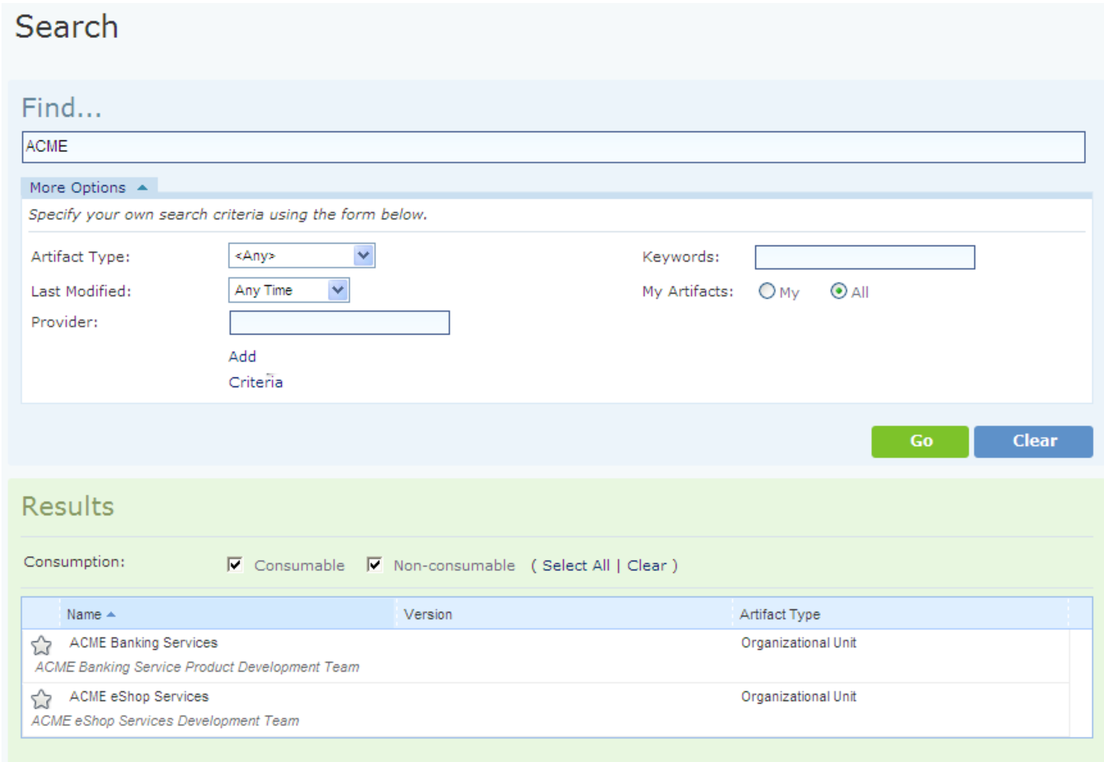
Homepage Search Component



As you type your search term, SOA Systinet returns a dynamic set of results. Either select an item from this list, or complete your search term and click **Go** to open the Search page showing matching results with additional search criteria options.

Alternatively, click **More Options** to open the Search page enabling more detailed search criteria to be set before applying your search term.

Search Page



More the cursor over **Add Criteria** to select from the available criteria to use. Set the criteria to specify your search, enter a search term, and click **Go**.

SOA Systinet performs your search and matching services are listed in the results table.

The results table include selectable facets, such as `Consumable`, enabling you to further filter the set of results.

All tables in role-specific UIs contain the following features:

- Sortable columns.
- Resizeable columns.

- Reorderable columns.
- Show/Hide columns in the menu at the right of the heading for each column.
- Paging for 10 or more items.
- Filters for each column with wildcards (for example, servi*) allowable for text columns and comparison operators (<, >, =, etc.) for numeric columns.

Click an artifact name in the table to open its details page.

Category Browsing

SOA Systinet enables you to search the repository based on taxonomic categories.

The Categories component in the Homepage provides an overview of service categorization.

Homepage Categories Component

The Categories component lists all taxonomies used to categorize services in the repository with a breakdown by the number of services assigned to each category.

Click a taxonomy name to view a summary of services categorized by that taxonomy, or a category to browse the services assigned to that category.

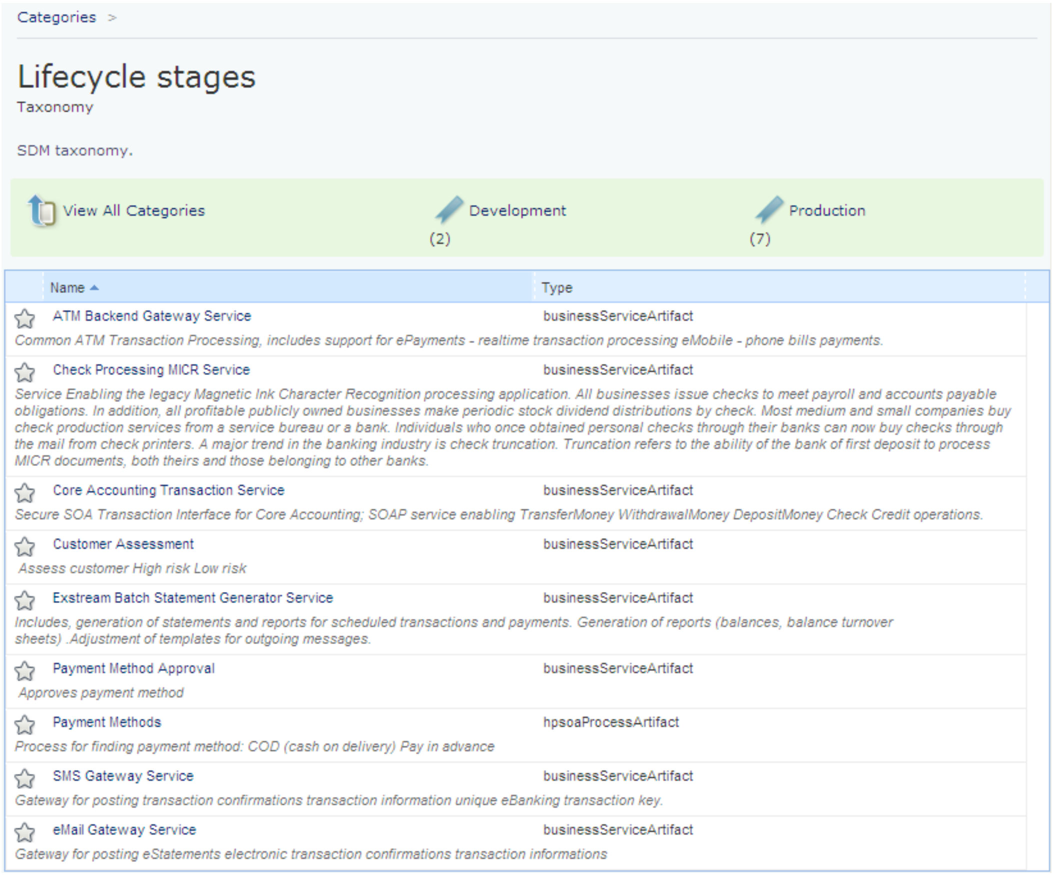
Alternatively, click **View All Categories** or the **Categories** link in the menu to open the Categories browsing page.

Categories Browsing Page

The Categories page lists all taxonomies used to categorize services in the repository with a breakdown by the number of services assigned to each category.

Select a taxonomy or category to open a page for that taxonomy or category with a table listing all the matching services in the repository.

Categorized Artifacts Page



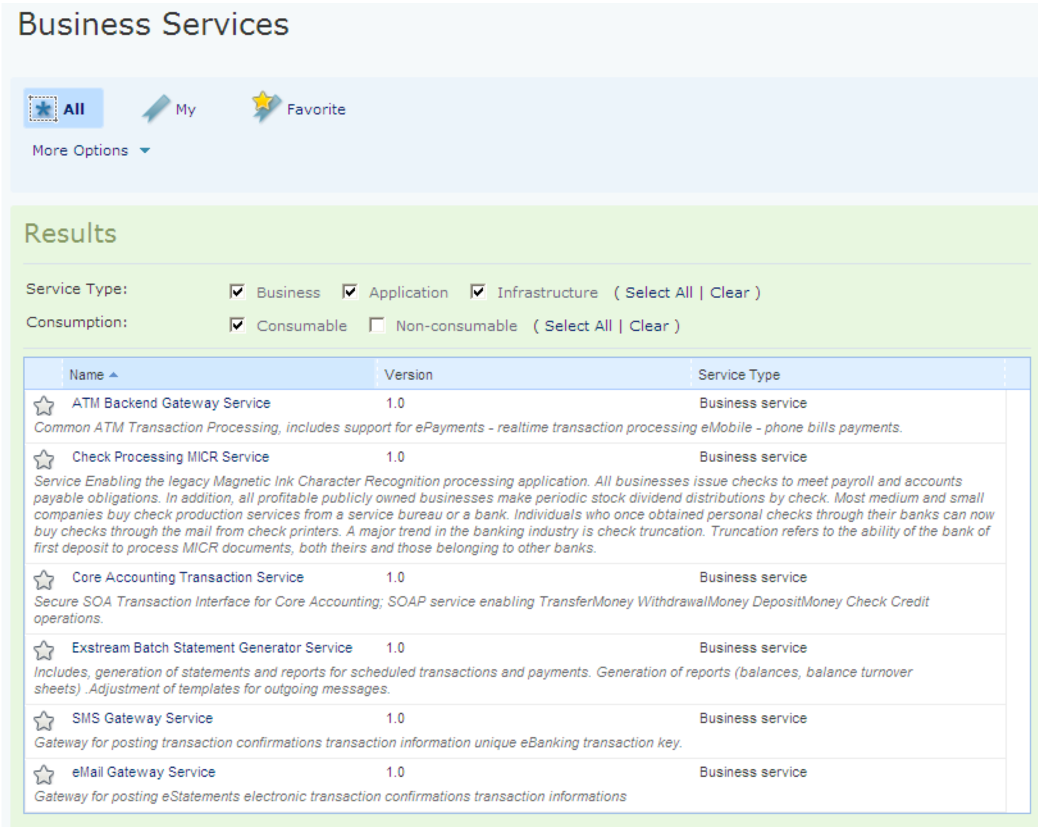
Select an artifact to open its details page.

Browsing Services

The Services browse page provides an entry point for finding a particular service.

Access the Services page by clicking the **Services** link in the menu.

Services Browse Page



Browse pages consist of the following components:

- **Filters**

  Select a filter to reduce the content of the results table to those services matching the selected filter.

  The default filters for Services are **All**, **My**, and **Favorites**. The selected filter controls both the content of the results table and the criteria available in the search component.

The available filters vary according to the artifact type.

- **Results**

  A table of services matching the selected filter, search, and facet criteria.

  The results table may still contain many service artifacts, even after selecting a filter or using search criteria. Depending on the artifact type, the table may contain additional criteria, known as facets, to enable you to further refine your search.

  For example, the Services page results table enables you to select which types of service to show (Business, Application, and Infrastructure).

  Click a service name in the results table to open its details page.

- **Search**

  Further reduce the services shown in the table using the search component.

  For any selected browse filter, the results table may list many services. The search component enables you to find a particular service of interest.

To perform a browse page search:

1. Click **More options** to expand the search component.
2. Optionally, place the cursor over **More Criteria** to show additional search parameters and select additional criteria if they are required for your search. For example, Version or Category.
3. Enter your search criteria, and click **Go**.

   The results table refreshes with the services matching your inputs.

Service Details Page

Clicking the name of a service anywhere in the Business Partner UI opens the service detail page for that service.

This following sections describe the content and functionality of these pages:

- Service Details on page 37
- Service Categories on page 38
- Service Documentation on page 38
- Service Level Objectives on page 39
- Service Implementations on page 40
- Service Consists Of on page 40
- Service Depends On on page 41
- Service To Do on page 42
- Service Projects on page 42
- Service Contracts on page 43
- Service Contacts on page 43
- Service Page Context Actions on page 43

In addition to the functionality described in these sections, for services that you create, you have additional options for managing services. For details, see Chapter 4, Managing Content.

Service Details

The details section provides the basic properties of the service.

Services Details

Core Accounting Transaction Service

Business service

Secure SOA Transaction Interface for Core Accounting; SOAP service enabling

- TransferMoney
- WithdrawalMoney
- DepositMoney
- Check Credit operations.

Version:	1.0
Failure Impact:	High
Keywords:	Core, Bank, Accounting
Provider:	ACME Banking Services
Status:	Production (Approved)

Click the provider name to view their details.

Service Categories

The Categories section show the taxonomic categories used to classify the service.

Services Categories

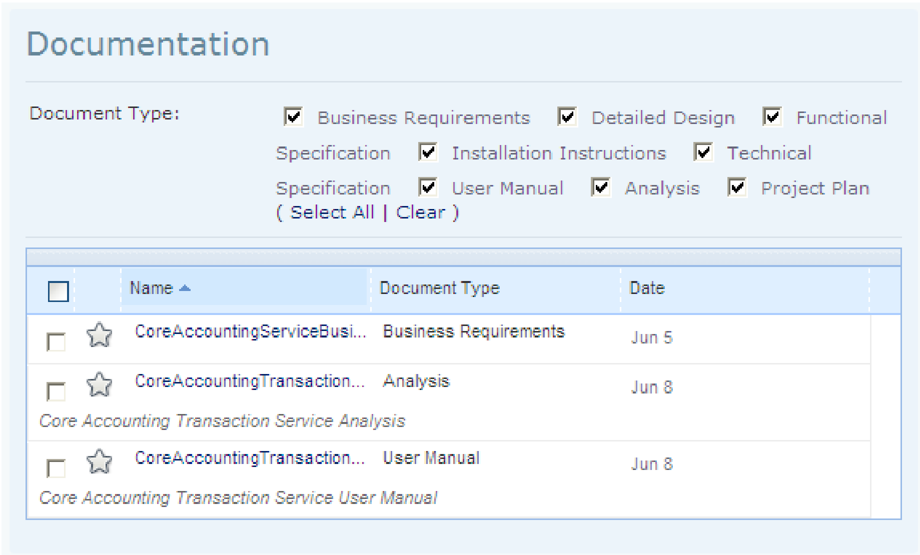
Categories

Countries (ISO 3166):	California
Security levels:	Confidential
Industry classification (NAICS):	Finance and Insurance

Service Documentation

The Documentation section shows the documentation attached to the service.

Services Documentation



Use the facets to select the types of document to show and click a document name to view its content.

Service Level Objectives

The SLOs section shows the service level objectives attached to the service.

Services Level Objectives

SLOs

Name	Availability	Throughput	Date
Core Accounting Batc...	96.0	1500.0	Jun 8
Core Accounting, Non-Realtime Batch Operations Service Level Objective			
Core Accounting Ente...	99.0	5000.0	Jun 8
Core Accounting, High Throughput Transaction Service Level Objective			

Click an SLO name to view its details.

Service Implementations

The Implementations section shows the implementations of the service.

Service Implementations

Implementations

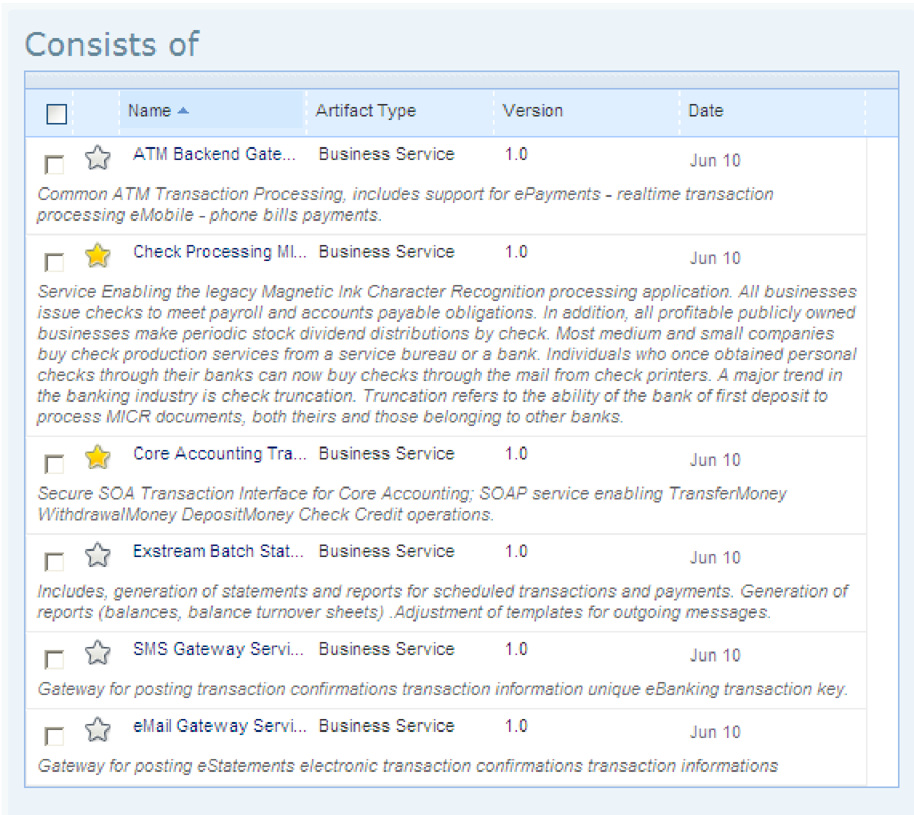
Name	Artifact Type	Version	Date	WSDL
Core Accounting ...	SOAP Service	1.0	Jun 10	Download WSDL
Core Accounting Transaction Service Implementation				

Click **Download WSDL** to view the WSDL defining the implementation.

Service Consists Of

The Consists Of section shows other artifacts that are part of the service. A change to the service impacts on these artifacts.

Service Contacts

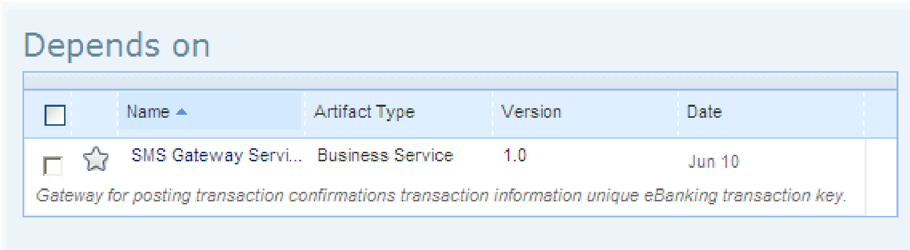


Click an artifact name to open its details.

Service Depends On

The Depends On section shows other artifacts that the service depends on. Changes to thee artifacts impact on the service.

Service Dependencies

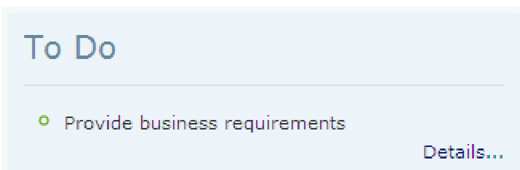


Click an artifact name to open its details.

Service To Do

Services are usually subject to lifecycle governance. Various tasks need to be completed before a service can be approved and move to the next stage in its lifecycle.

The To Do section of a service informs you of tasks that must be complete before the service can be approved.

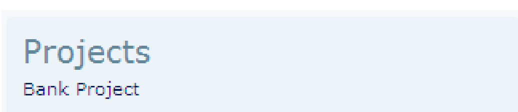


For more details, see Chapter 5, Lifecycle Governance.

Service Projects

The Projects section shows which projects the service is part of.

Service Projects

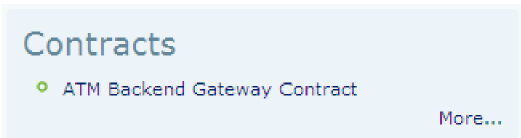


Click a project name to open its details.

Service Contracts

The Contracts section shows your contracts and requests for the service.

Service Contracts



Click the contract name to open its details or **More** to view a summary.

Service Contacts

The Contacts section shows your contacts for the service organized by their role.

Service Contacts

Place the cursor over a contact name to view a contact summary or click their name to open their full details.

Service Page Context Actions

The green component at the top-right of the Service page offers a number of context actions for services.

Figure 4. Business Service Context Actions

The default actions for a service are the following:

- **Add to Favorites**

  Mark the service as a favorite as described in Favorites on page 16.

- **Request Consumption**

  A list of the reports related to this artifact.

  Initiate a contract for reuse of a service as described in Requesting Consumption of Services on page 69.

- **View in Navigator**

  Open the SOA Navigator, a visual representation of the service and its associated artifacts, in the Business Analyst perspective. For details, see Graphical Navigator on page 18.

- **Impact Report**

  Open the SOA Navigator to view the visual representation of the impacts of the service. For details, see Graphical Navigator on page 18.

In addition, for services that you create you have the following additional options:

- **Edit**

  Modify the basic properties of your service.

- **Request Approval**

  Submit your service for lifecycle approval. For details, see Chapter 5, Lifecycle Governance.

- **Delete**

  Delete your service from the repository.

3 Creating Functionality

The primary role of the Business Analyst is to propose new service functionality. The initial part of this use case is the creation of artifact representing new functionality.

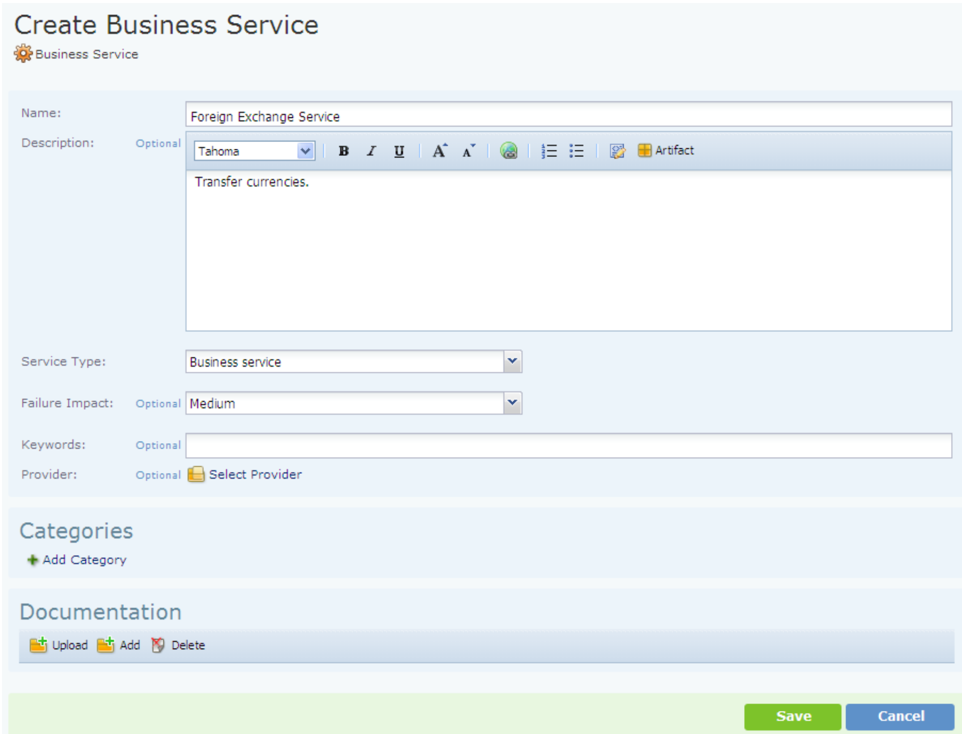
This chapter contains the following sections:

Creating Business Services

You can create new business services from the Analyst menu.

To create a new service:

1. In the New menu, click **Service** to open the Create Business Service page:



2 Enter the following parameters:

Parameter	Definition
Name	The name of the new business service.
Description	A description of the new service.
Service Type	Select a service type from the drop-down list.
Keywords	Add search terms for the service.
Provider	Click **Select Provider** to open a search panel. Type in the search box to locate an existing contact, or click **Create Contact** to create a new user profile or organizational unit to be the provider for the new service. The

	details for a new profile or organizational unit are the same as those described in Managing Your Profile on page 12.
Parameter	**Definition**
Categories	Click **Add Category** to open a list of taxonomies. Use the name or description inputs to filter the list, and then click the taxonomy name to open its list of categories. Use the name input filter the category list, and then use the checkboxes to select the categories to add, and then click **OK**.

3 Use the **Upload** or **Add** functionality to attach documentation to your new service. For details, Managing Documentation on page 57.

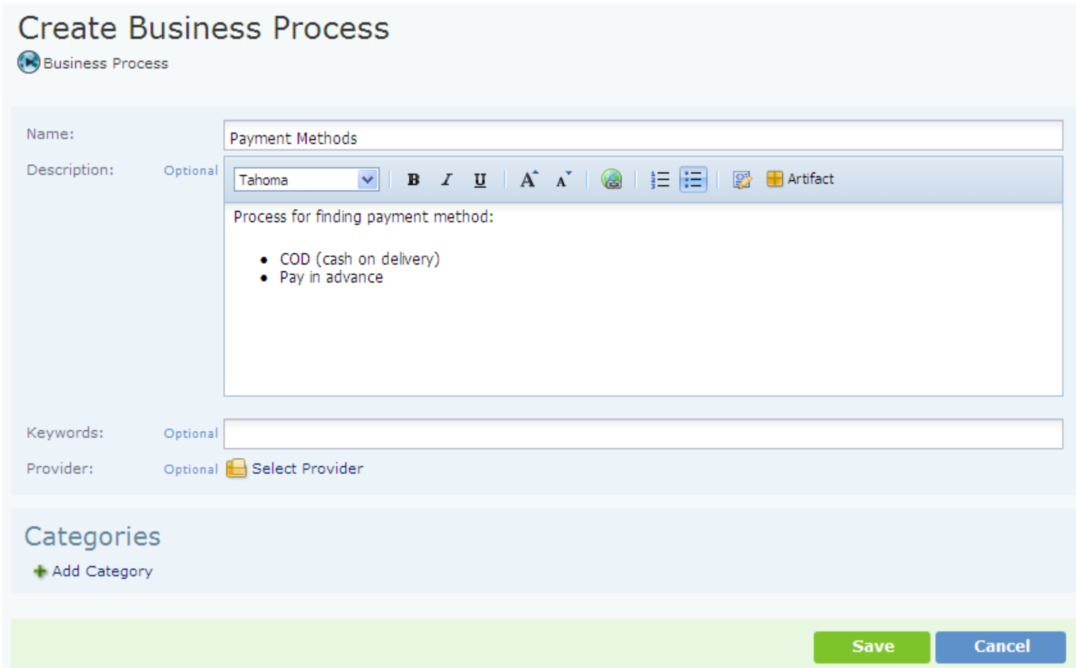
4 Click **Save** to create the business service artifact.

Creating Business Processes

You can create new business process from the Analyst menu.

To create a new process:

1 In the New menu, click **Business Process** to open the Create Business Process page:



2 Enter the following parameters:

Parameter	Definition
Name	The name of the new business process.
Description	A description of the new business process.
Keywords	Add search terms for the business process.
Provider	Click **Select Provider** to open a search panel. Type in the search box to locate an existing contact, or click **Create Contact** to create a new user profile or organizational unit to be the provider for the new process. The details for a new profile or organizational unit are the same as those described in Managing Your Profile on page 12.

Parameter	Definition
Categories	Click **Add Category** to open a list of taxonomies. Use the name or description inputs to filter the list, and then click the taxonomy name to open its list of categories. Use the name input filter the category list, and then use the checkboxes to select the categories to add, and then click **OK**.

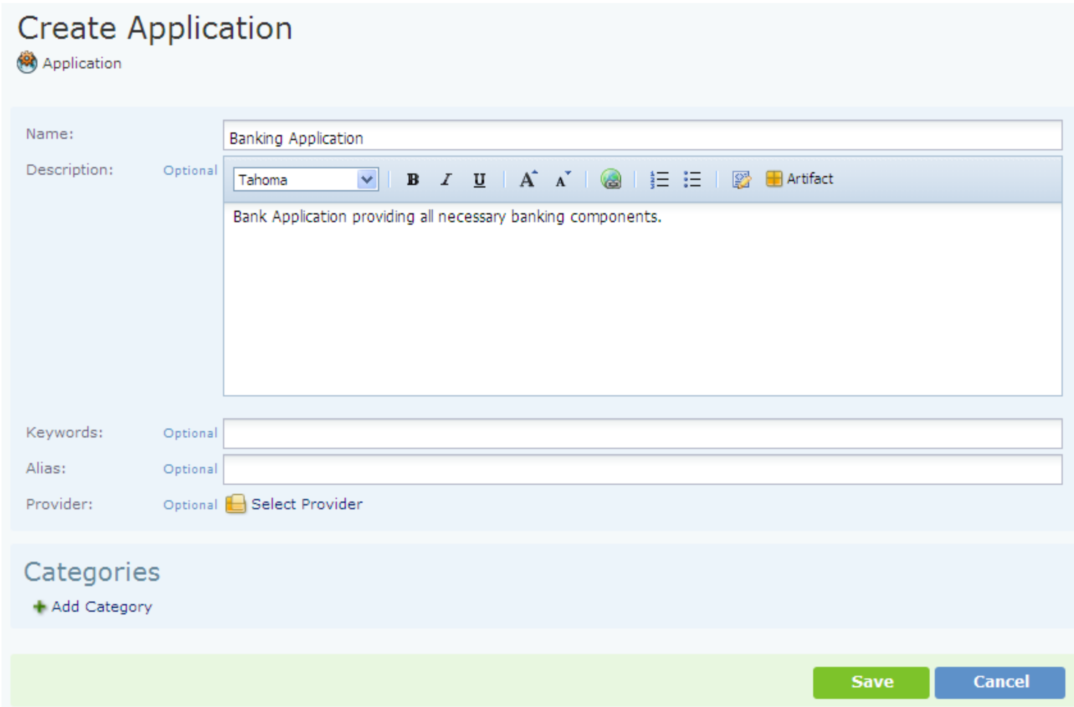
3. Click **Save** to create the business process artifact.

Creating Applications

You can create new applications from the Analyst menu.

To create a new application:

1. In the New menu, click **Application** to open the Create Application page:



2 Enter the following parameters:

Parameter	Definition
Name	The name of the new business service.
Description	A description of the new service.
Keywords	Add search terms for the service.
Alias	An alias for the application.
Provider	Click **Select Provider** to open a search panel. Type in the search box to locate an existing contact, or click **Create Contact** to create a new user profile or organizational unit to be the provider for the new application. The

	details for a new profile or organizational unit are the same as those described in Managing Your Profile on page 12.
Parameter	**Definition**
Categories	Click **Add Category** to open a list of taxonomies. Use the name or description inputs to filter the list, and then click the taxonomy name to open its list of categories. Use the name input filter the category list, and then use the checkboxes to select the categories to add, and then click **OK**.

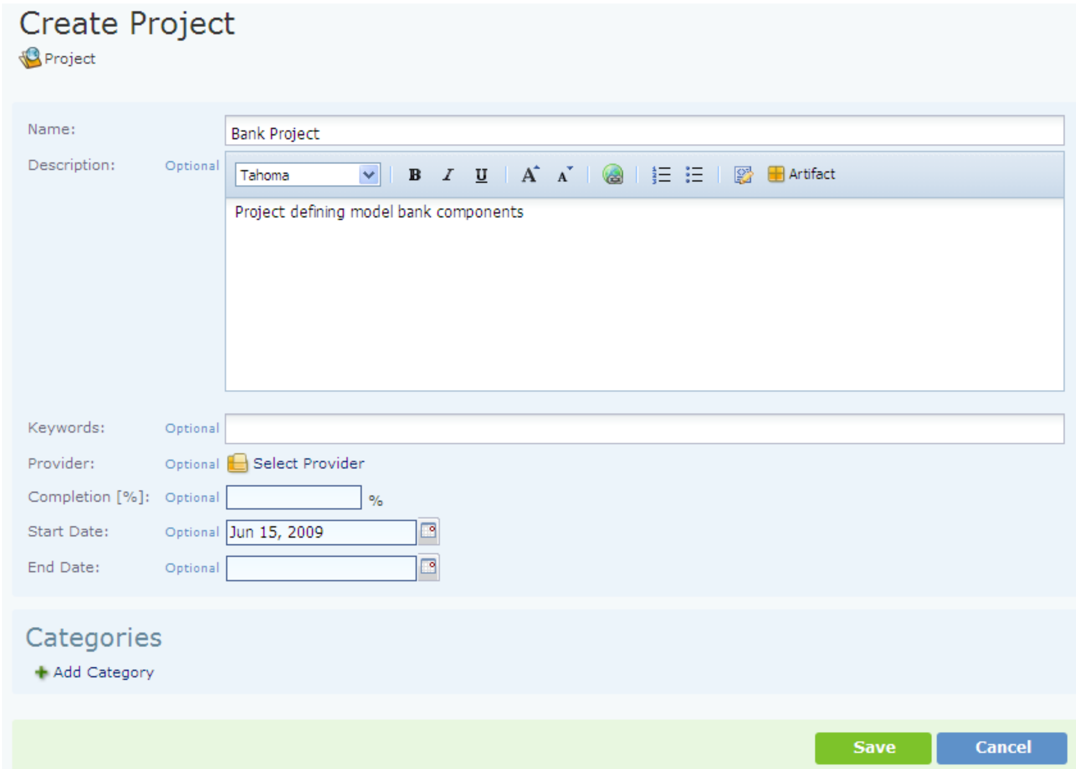
3 Click **Save** to create the application artifact.

Creating Projects

You can create new projects from the Analyst menu.

To create a new project:

1 In the New menu, click **Project** to open the Create Project page:



2 Enter the following parameters:

Parameter	Definition
Name	The name of the new business service.
Description	A description of the new service.
Keywords	Add search terms for the service.
Provider	Click **Select Provider** to open a search panel. Type in the search box to locate an existing contact, or click **Create Contact** to create a new user profile or organizational unit to be the provider for the new project. The

	details for a new profile or organizational unit are the same as those described in Managing Your Profile on page 12.
Parameter	**Definition**
Completion [%]	The progress of the project.
Start Date	Use the calendar icon to set a start date for the new project
End Date	Use the calendar icon to set the completion date for the new project.
Categories	Click **Add Category** to open a list of taxonomies. Use the name or description inputs to filter the list, and then click the taxonomy name to open its list of categories. Use the name input filter the category list, and then use the checkboxes to select the categories to add, and then click **OK**.

3 Click **Save** to create the project artifact.

4 Managing Content

After you create your functional artifacts, you can organise them, and add additional details such as documentation and service level agreements.

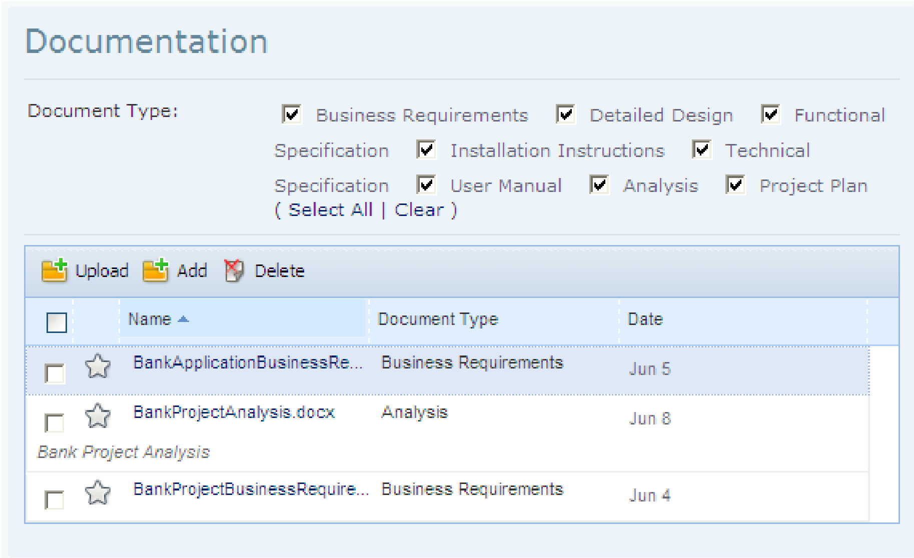
This chapter assumes that Services are the primary service artifacts in your SOA hierarchy. The functionality described for managing service content also applies to other artifact types, for example Applications.

This chapter contains the following sections:

Managing Documentation

Services often have associated documentation, such as technical specifications and user manuals.

For services you create, the Documentation section includes functionality to manage your service documentation.



To manage service documentation:

- In the detail view of a service, in the Documentation section, select from the following options:
  - **Upload**

    Upload a document from your local file system.

    For details, see To upload a document from your local file system:
  - **Add**

    Select a document from the collection in the repository.

    For details, see To add documentation from the repository:
  - **Delete**

    Remove the document from the service.

To upload a document from your local file system:

1 In the detail view of a service, in the Documentation section, click **Upload** to open the Upload a File dialog box.

2 Input the following parameters:

Parameter	Definition
File	Input a path or use **Browse** to locate the file on your local file system.
Type	Select a document type from the drop-down list.
Keywords	Add search terms for the documentation.

3 Click **OK** to upload the document, create a new documentation artifact, and create the relationships between the service and the documentation artifact.

To add documentation from the repository:

1 In the detail view of a service, in the Documentation section, click **Add** to open the Select Artifacts dialog box.

2 Optionally, place the cursor over **Add Criteria**, and select more criteria to use in your search.

3 Enter your search term and criteria, and click **Go**, to return the results of your search.

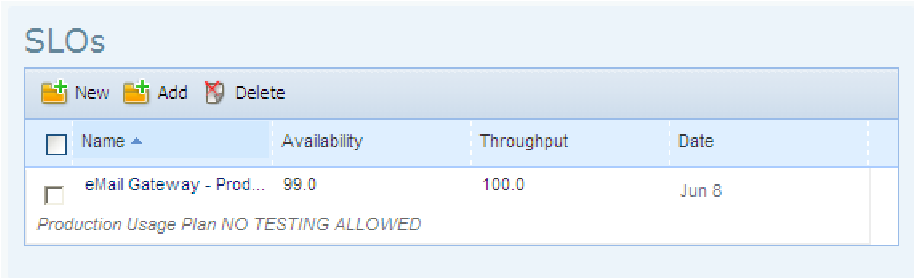
4 Select the documentation to add, and then click **Add**.

Managing Service Level Objectives

Most services are offered with a set of terms describing the levels of performance the service provider expects to meet.

This section describes adding an SLO to a business service. The functionality is the same for any artifact that is defined as a provider.

For services you create, the SLOs section includes functionality to manage your service level objectives.



To manage service level objectives:

- In the detail view of a service, in the SLOs section, select from the following options:
  - **New**

    Create a new service level objective.

    For details, see To create a new service level objective:
  - **Add**

    Select an SLO from the collection in the repository.

    For details, see To add a service level objective from the repository:
  - **Delete**

    Remove the SLO from the service.

To create a new service level objective:

1. In the detail view of a service, in the SLOs section, click **New** to open the Create SLO page.
2. Input the following parameters which are split into sections:

   SLO Properties:

Parameter	Definition
Name	The name of the new SLO artifact.
Description	A description of the SLO artifact.
Keywords	Add search terms for the service.

Categories:

Click **Add Category** to open a list of taxonomies. Use the name or description inputs to filter the list, and then click the taxonomy name to open its list of categories. Use the name input filter the category list, and then use the checkboxes to select the categories to add, and then click **OK**.

Key Performance Indicators:

Parameter	Definition
Throughput [Msg/Min]	The number of calls to the service per minute.
Response Time [sec]	The time for the service to respond.
Availability [%]	The availability of the service in its operating hours.
Performance [%]	A measure of the performance of the service.

Objectives:

Parameter	Definition
Hours of Service Operation	Select an option from the list, and then input start and end times if required.
Hours of Provider Operation	
Service Availability	Expected time of service delivery.
Service Termination	Expected time of service termination.
Expected Messages Per Day	Number of messages.
Maximum Messages Per Day	
Daily Peak Period	Select an option from the list, and then input start and end times if required.
Peak [Msg/Min]	Expected messaging capacity.

3 Click **Save** to create the service level objective and the relationships to the service.

To add a service level objective from the repository:

1. In the detail view of a service, in the SLOs section, click **Add** to open the Select Artifacts dialog box.
2. Optionally, place the cursor over **Add Criteria**, and select more criteria to use in your search.
3. Enter your search term and criteria, and click **Go**, to return the results of your search.
4. Select the SLO to add, and then click **Add**.

Managing Contacts

The Contacts section enables you to manage the contacts for a service.

Service Contacts

You can add contacts for the service.

To add a contact for a service:

1. In the detail view of a service, in the Contacts section, click **More**.

   The Contacts page opens.
2. For the contact role that you want to add, click **Add Contact**.

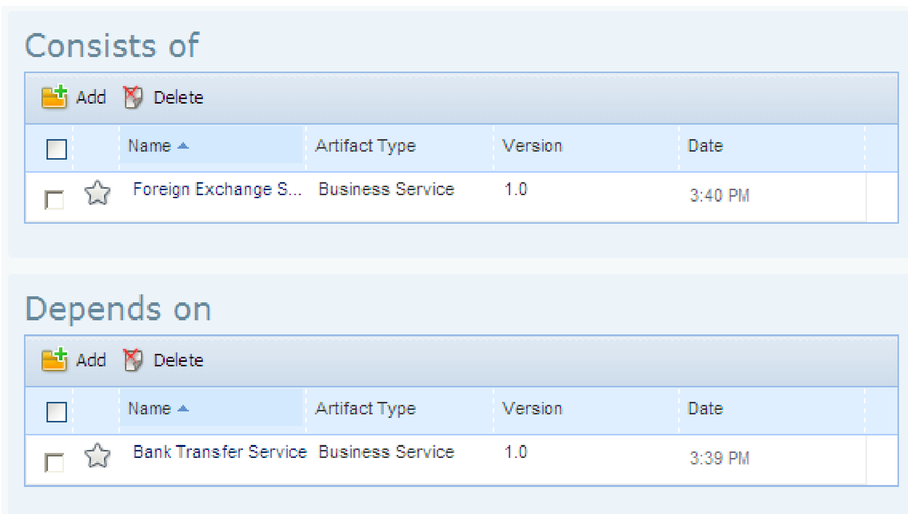
   The Add Contact dialog opens.

3 Do one of the following:

- To add an existing contact, type your search term, and select a contact from the dynamic list that filters as you type.
- To create a new contact, place the cursor over **Create Contact**, select to create an Organizational Unit or a User Profile, and complete the contact details which are the same as described in Managing Your Profile on page 12.

Managing Dependencies

Services often form hierarchies and have dependencies on other service artifacts. You can manage these dependencies in the detail view of a service.



Consists Of shows artifacts that are part of the service.

Depends On shows artifacts that impact on the service.

To manage service hierarchies and dependencies:

- Do any of the following:
  - To add a constituent artifact or dependency, click **Add**, and select the artifact is part of the service or that impacts on it.
  - To remove a constituent artifact or a dependency, select the artifacts to remove, and click **Delete**.

Managing Projects

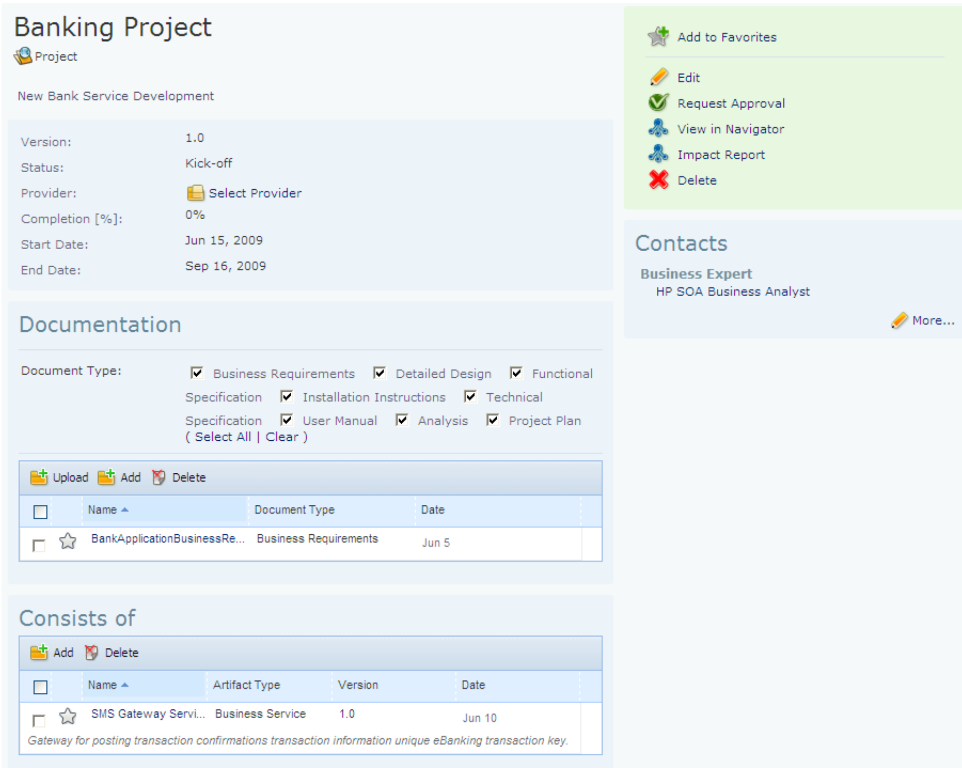
You can organize your service artifacts into projects.

SOA Systinet offers the following project functionality:

- Creating Projects on page 53
- Managing Project Content on page 64
- Changing a Service Project on page 65

Managing Project Content

In the detail view of a project, you can manage its content.



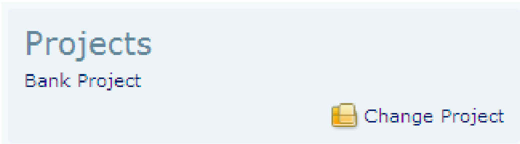
Manage project documentation using the Documentation functionality described in Managing Documentation on page 57.

Manage project content using the Consists Of functionality described in Managing Dependencies on page 63.

Manage project contacts using the Contacts functionality described in Managing Contacts on page 62.

Changing a Service Project

In the detail view of a service you create, you can manage the project it belongs to.



To change a service project:

1. In the detail view of a service, in the Projects section, click **Change Project** to open the Select Artifact dialog.
2. Use the search box to locate and select the project to make the service part of.

5 Lifecycle Governance

For Business Analysts, lifecycle governance is a largely automated process.

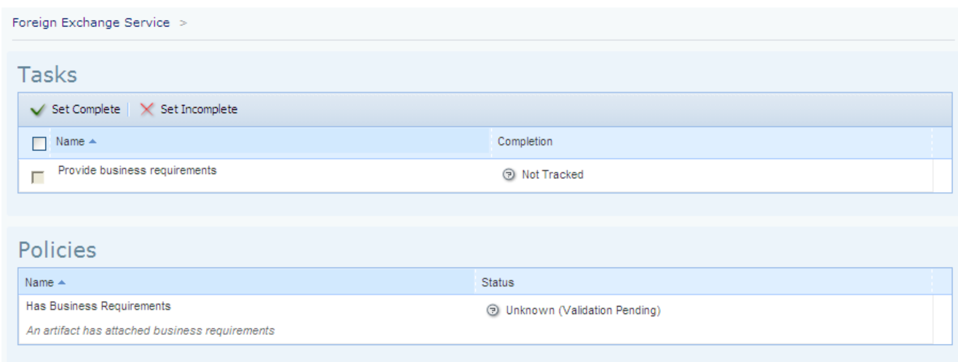
The important features of lifecycle are as follows:

- New created artifacts are automatically assigned to the most appropriate governance process.
- Artifacts are governed collectively in the form of governance trees consisting of a root artifact and a set of related sub-artifacts.
- Lifecycle approval is determined according to a set of policies, tasks, and approval voting.
- Artifacts are locked for editing while approval is in progress.

The lifecycle role of the Business Analyst is to fulfil certain requirements of the lifecycle stage and then to submit services for approval.

The To Do section of a service informs you of outstanding tasks that must be complete before a service may be approved. Click **Details** to view more information about these tasks.

Figure 5. Lifecycle Details



This details page shows the tasks that require completion and the policies that must pass validation before the service can be approved.

To mark a task as complete:

- In the lifecycle details page, select the tasks to complete, and select **Set Complete**.

In the diagram there is both a task and a policy related to business requirements. During lifecycle approval, task completion is verified by checking the task completion flag. Policy validation is more rigorous and verifies that there is documentation attached to the service that is categorized as `Business Requirements`.

After these tasks are complete, you can request approval of your service.

To request lifecycle approval:

- In the detail view of a service, in the green context action component, click **Request Approval**, and confirm your request.

The service and any related artifacts governed by the same process, are submitted for lifecycle approval and notifications are sent to the relevant parties.

Depending on mandatory task completion, policy validation, and the votes of approvers, your request may be rejected or approved. You receive email notification of the request result and the Events component keeps track of your request. For details, see Events on page 17.

For more details about Lifecycle Governance, see "Lifecycle Overview" in the *HP SOA Systinet Concepts Guide*.

6 Consuming Services

When you find a service that you want to reuse, the next step is to initiate a contract by requesting consumption of the service.

This chapter describes Requests and Contracts in the following sections:

Requesting Consumption of Services

To create a contract for reuse of a service you must make a consumption request to the provider.

To request consumption of a service:

1. In the detail view of the Service you want to consume, in the green context action component, click **Request Consumption**.

   The Select Consumer Artifact page opens.

2. By default, you are the consumer. Optionally, change the consumer by clicking **Change Consumer** and searching for the artifact you want to consume the service.

   Click **Next** to open the Select Service Level Objectives page.

3. Optionally, change the service to consume by clicking **Change Consumption Target** and selecting from the hierarchy of artifacts. HP Software recommend consuming a particular implementation of a service as they represent a particular instance of the service.

   Regardless of which artifact type you choose for to form your contract the Consumed Entity shown in the contract details is the service.

4 If required, select an SLO from the table to use for the agreed set of performance criteria, and then click **Next**.

   the Message and Documents page opens.

5 Optionally, enter a message for the service provider or attach some documentation, and then click **Next**.

   The Request Summary page opens.

6 Review the request details and click **Finish** to place your consumption request.

SOA Systinet notifies the service provider of your request and adds it to your Pending Requests list. For details, see Reviewing Requests and Contracts on page 70.

The provider of the service either approves or rejects your request. The result of their decision is sent as a notification email and updates in the Events component.

Reviewing Requests and Contracts

The SOA Systinet UI enables you to review consumption requests and contracts in the following ways:

The **My Contracts** component on the Homepage shows a list of all your current contracts. Click a contract name to view its details.

The **Contracts** link in the View menu opens the Contracts browse page which gives access to all your requests as well as contracts.

Select one of the default contract filters to change the table of results.

Contract Filters

Filter	Description
Contracts	Accepted contracts.
Pending	Consumption requests awaiting approval.
Rejected	Rejected consumption requests.

Filter	Description
Revoked	Accepted contracts that have since been cancelled.

Click a contract or request name to view its details.

The Contracts section of a service page shows current contracts and requests for the service.

The Events component on the homepage keeps up-to-date with the status of your contract requests.