



Red Hat Managed Integration 2

Getting Started with Red Hat Managed Integration 2

For Red Hat Managed Integration 2

Red Hat Managed Integration 2 Getting Started with Red Hat Managed Integration 2

For Red Hat Managed Integration 2

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Abstract

This document provides an introduction to Red Hat Managed Integration 2 as well as instructions on how to access services, Solution Patterns and the Solution Explorer within Red Hat Managed Integration 2.

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CHAPTER 1. OVERVIEW OF MANAGED INTEGRATION

Red Hat Managed Integration is a cloud-native application development platform that Red Hat hosts and manages. With Managed Integration, you can focus on building enterprise integration solutions, not infrastructure.

Unlike most platforms, Managed Integration offers a collection of managed services that are ready when you are. Quickly develop, deploy, and manage new cloud-native applications and services that are scalable, secure, and portable.

Create connections to your existing enterprise applications, services, and systems that are located in public or private clouds, virtual machines, or on-premise data centers. Managed Integration works with your existing IT infrastructure to support hybrid cloud initiatives and a common development strategy to unify cloud-native and traditional applications.

1.1. KEY FEATURES

Managed Integration is deployed on OpenShift Dedicated, Red Hat's hosted and managed Kubernetes platform. Each Managed Integration cluster has the following features:

- Managed services that provide key development and integration capabilities
 - API management (Red Hat 3scale API Management)
 - Enterprise connectivity (Red Hat Fuse Online)
 - Messaging (Red Hat AMQ Online)
 - Single sign-on (Red Hat Single Sign-On)
 - Push Notifications (Mobile Push Messaging)
 - Integrated development environment (Red Hat CodeReady Workspaces)

Although Red Hat manages these services, each one is protected by your own identity provider.

- Solution Explorer, a web-based interface that provides single sign-on access to all of your services
- Solution Patterns that represent common application development and connectivity scenarios for creating new cloud-native, integrated applications
Solution Patterns include instructions and best practices to guide you through each task. They are available in the Solution Explorer interface.
- A managed instance of Red Hat Single Sign-On to protect end-user applications you deploy on the cluster
- Access to OpenShift Dedicated UIs and tools for administration and development

1.2. ADMINISTRATOR AND DEVELOPER ROLES

Managed Integration includes *Administrator* and *Developer* roles. These roles determine which actions a user is allowed to perform.

Administrator

An administrator can provision and customize your Managed Integration cluster to meet the requirements of your environment. As an administrator, you can configure the pre-installed component applications that come with Managed Integration. As an administrator, you have access to the settings in the Solution Explorer and can customize the list of Solution Patterns that developers can access in Solution Explorer. An administrator who is a member of the **dedicated-admins** group has rights to view and modify resources in Managed Integration. An administrator who is a member of the **dedicated-admins** group can use the cluster roles to control who has various access levels and permissions in a Managed Integration cluster, the Solution Explorer, and managed services. Administrators are created during the onboarding process and have the highest level of access to a cluster. To create a new administrator, open a support case on the [Red Hat Customer Portal](#).

Developer

Managed Integration includes pre-installed component applications that developers can use to develop cloud-native, integrated applications. This role is assigned by default in Solution Explorer. If allowed by your administrator, the developer can create a new project. Developer have access to the services in the cluster and can deploy containerized applications. Typically, developers start by [performing Solution Patterns](#).

Additional resources

- For more information about role-based access control (RBAC) in OpenShift Dedicated, see the [Using RBAC to define and apply permissions documentation](#) .

CHAPTER 2. ACCESSING SOLUTION EXPLORER AND YOUR MANAGED SERVICES

After the Managed Integration cluster is created, you can log in to it and access Solution Explorer. From Solution Explorer, you can access all of your managed services.

2.1. ACCESSING SOLUTION EXPLORER

The URL for the Solution Explorer is included in the welcome email Red Hat sends you when your cluster becomes available. An administrator who is a member of the **dedicated-admins** group can also access the Solution Explorer in the OpenShift Dedicated console.

Procedure

1. Log in to the OpenShift Dedicated web console.
2. Navigate to the application launcher in the top right corner.
3. Select **Solution Explorer** from the drop-down menu.
4. Bookmark and share the Solution Explorer URL with other cluster users.

CHAPTER 3. CREATING CLOUD-NATIVE, INTEGRATED APPLICATIONS USING SOLUTION PATTERNS

As a developer with access to a Managed Integration cluster, you can learn about developing cloud-native, integrated applications using Solution Patterns. Solution Patterns provide step-by-step instructions and best practices for common connectivity and application development tasks.

Prerequisites

- You have the Developer role.
- You have the Solution Explorer URL.

Procedure

1. Log in to Solution Explorer.
2. Select the **All Solution Patterns** tab.
The default Solution Patterns are displayed.
3. Perform the default Solution Patterns in order.
4. If you do not intend to use the resources that you created by completing the Solution Patterns, delete those resources to preserve cluster capacity.
Depending on which Solution Patterns you completed, you may need to delete any of the following resources:
 - OpenShift projects
 - Fuse Online integrations
 - AMQ Online address spaces
 - 3scale products

Additional resources

- See [Managing Solution Patterns](#) for information about how to subscribe your cluster to a Git repository that contains more Solution Patterns.
- See the [Developer Guide](#) for more information about what developers can do in a cluster.

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