HCLSoftware

HCL DRYiCE MyCloud

Introduction Guide
Version 10.8.1

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Document Revision History

This document is updated with each release of the product or when necessary.

This table provides the revision history of this Introduction Guide.

Version Date	Description
May, 2020	DRYiCE MyCloud v9.2 Introduction Guide
August, 2020	DRYiCE MyCloud v10.0 Introduction Guide
November, 2020	DRYiCE MyCloud v10.1 Introduction Guide
February, 2021	DRYiCE MyCloud v10.2 Introduction Guide
April, 2021	DRYiCE MyCloud v10.4 Introduction Guide
October, 2021	DRYiCE MyCloud v10.5 Introduction Guide
September, 2022	DRYiCE MyCloud v10.6 Introduction Guide
August, 2023	HCL_DRYiCE_MyCloud_v10.7_Introduction_Guide
April, 2024	HCL_DRYiCE_MyCloud_v10.8_Introduction_Guide
September, 2024	HCL_DRYiCE_MyCloud_v10.8.1_Introduction_Guide

1 Preface

This section provides information about the **MyCloud Introduction Guide** and includes the following topics.

- Intended Audience
- Related Documents
- Conventions

1.1 Intended Audience

This document is intended for users like developers, administrators, Business heads, Operations Manager, Delivery heads and many more, who will be responsible for the following:

- Developing service request forms.
- Using APIs to consume MyCloud services.
- Defining process workflows in the tool
- Configuring MyCloud.
- Provisioning/decommissioning Infrastructure resources, Approving the service requests, Viewing reports.
- Sales and Presales discussion.

1.2 About This Guide

This guide provides an overview of DRYiCE MyCloud that includes the following sections.

- MyCloud Features
- MyCloud Architecture
- MyCloud Roles
- MyCloud End User View
- MyCloud Benefits

1.3 Related Documents

The following documents can be referenced in addition to this guide for further information on MyCloud.

- MyCloud User Guide
- MyCloud Installation Guide
- MyCloud Configuration Guide - Admin Module
- MyCloud Configuration Guide - Provider Module – Part 1
- MyCloud Configuration Guide - Provider Module – Part 2
- MyCloud Troubleshooting Guide
- MyCloud Developer Guide
- MyCloud API Guide

1.4 Conventions

The following typographic conventions are used in this document:

Table 1 - Conventions

Convention	Element
Boldface	Indicates graphical user interface elements associated with an action, or terms defined in text or the glossary
Numbered lists	Indicates steps in a procedure to be followed in a sequence
Bulleted lists	Indicates a list of items that is not necessarily meant to be followed in a sequence

2 MyCloud Overview

Today, many enterprises see cloud-based applications as an effective way to optimize IT-related costs, by leveraging pay-as-you-go model. Some organizations also realized the benefits that liberalization of IT deployment and management across departments brings on the table, agility being of prime importance.

At the same time, the approach of having a decentralized, unregulated, cloud-based IT ecosystem poses new challenges around managing costs, visibility, and others. There is a need to have a hybrid cloud management platform which gives them the flexibility to manage a complex and fast-changing cloud environment.

DRYiCE MyCloud is a hybrid cloud management product that empowers organizations to optimally govern, provision, monitor, and manage cloud infrastructure. It combines data exploration and data visualization in an easy-to-use product that enables effective analysis and generates actionable insights for IaaS, PaaS resources and multi-machine blueprints. DRYiCE MyCloud's data-driven recommendations and advisories ensure continuous optimization of enterprise cloud environments across areas, including cost, performance, security, and utilization.

2.1 MyCloud Features

- **Self Service Catalog based Provisioning and Auto-decommissioning.**
  Self Service Catalog based Provisioning & Auto-decommissioning– Provisioning of IaaS, PaaS, and multi-machine blueprints in a multi-cloud environment, through an intuitive self-service catalog and auto-decommissioning post a defined interval to avoid cost leakages.
- **Metering & Showback:**
  Track utilization of resources across BUs, enabling transparency and visibility.
- **Advisory & Recommendation:**
  Proactive recommendations around Cost Optimization, Fault Tolerance, Performance and Security.
- **Dynamic User interface:**
  Flexibility to customize the service request form templates to capture configuration parameters while placing provisioning requests.
- **Dynamic Process Workflows:**
  Enables automation of generic & custom tasks like installing agents, machine cloning etc. with support for parallel execution.
- **Script Library:**
  Create new or leverage out-of-the-box scripts in process workflows across environments.
- **Forecasting & RI recommendation:**
  Enables cost optimization and resource utilization by analyzing the past usage patterns & recommending the most optimal resource types on **AWS** and **Azure**.
- **Role Based Access Control:**

Manage user privileges based on their roles, eligibility and policies.

- **Policy driven Orchestration:**
  Be in control of your cloud orchestration ecosystem aligned to your organizational policies.
- **Rich Integration Ecosystem:**
  Enables integration with industry leading third party tools through **REST APIs** and **CLI**.
- **Enterprise-Grade Security:**
  Ensure security of end-to-end cloud management and orchestration ecosystem through various mechanisms.

2.2 MyCloud Architecture

The section below highlights the high-level architecture of MyCloud. To understand the architecture and deployment modes of MyCloud in detail, refer to the **Installation Guide**.

2.2.1 Functional Architecture of MyCloud

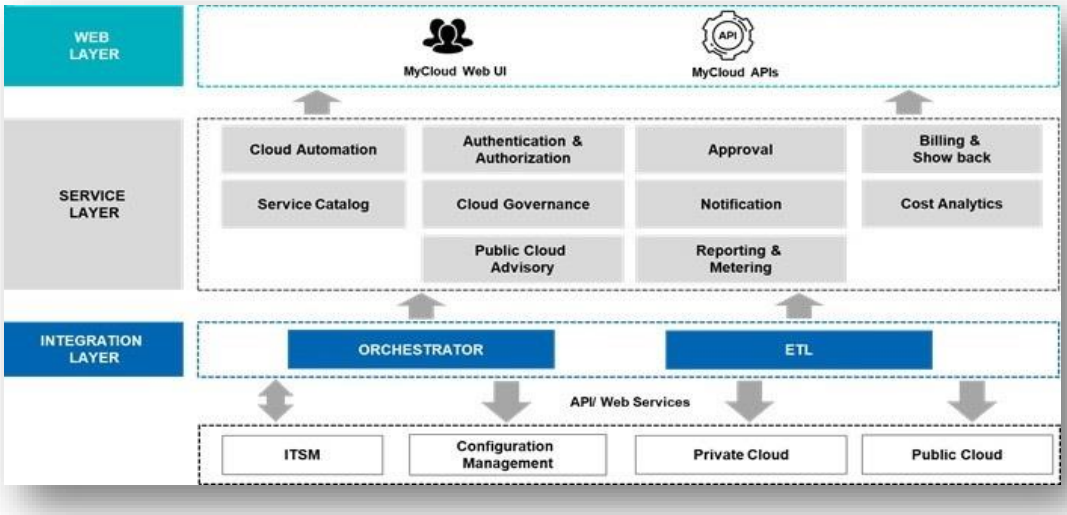

Figure 1 – Functional Architecture of MyCloud

2.2.2 Component Layered Architecture

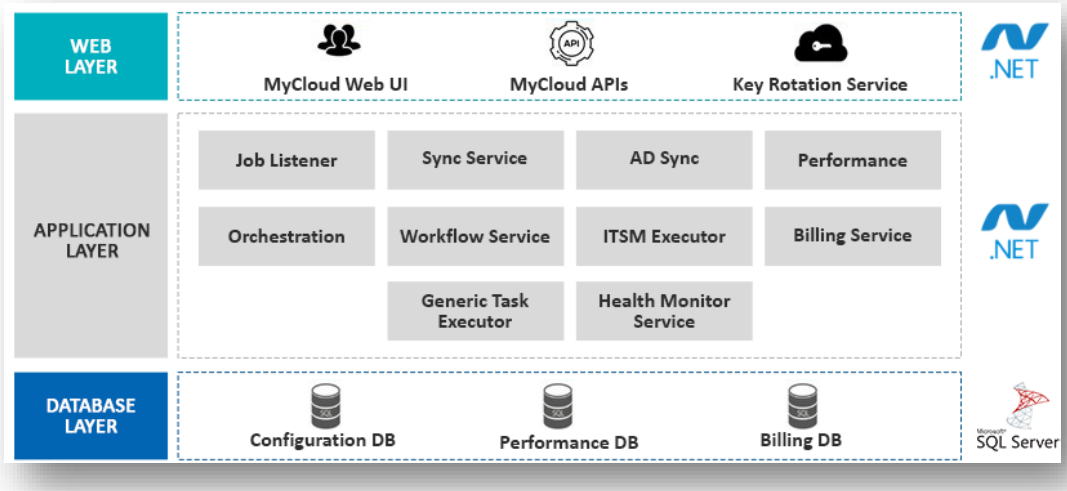

Figure 2 – Component Layered Architecture of MyCloud

2.2.3 Architecture of MyCloud

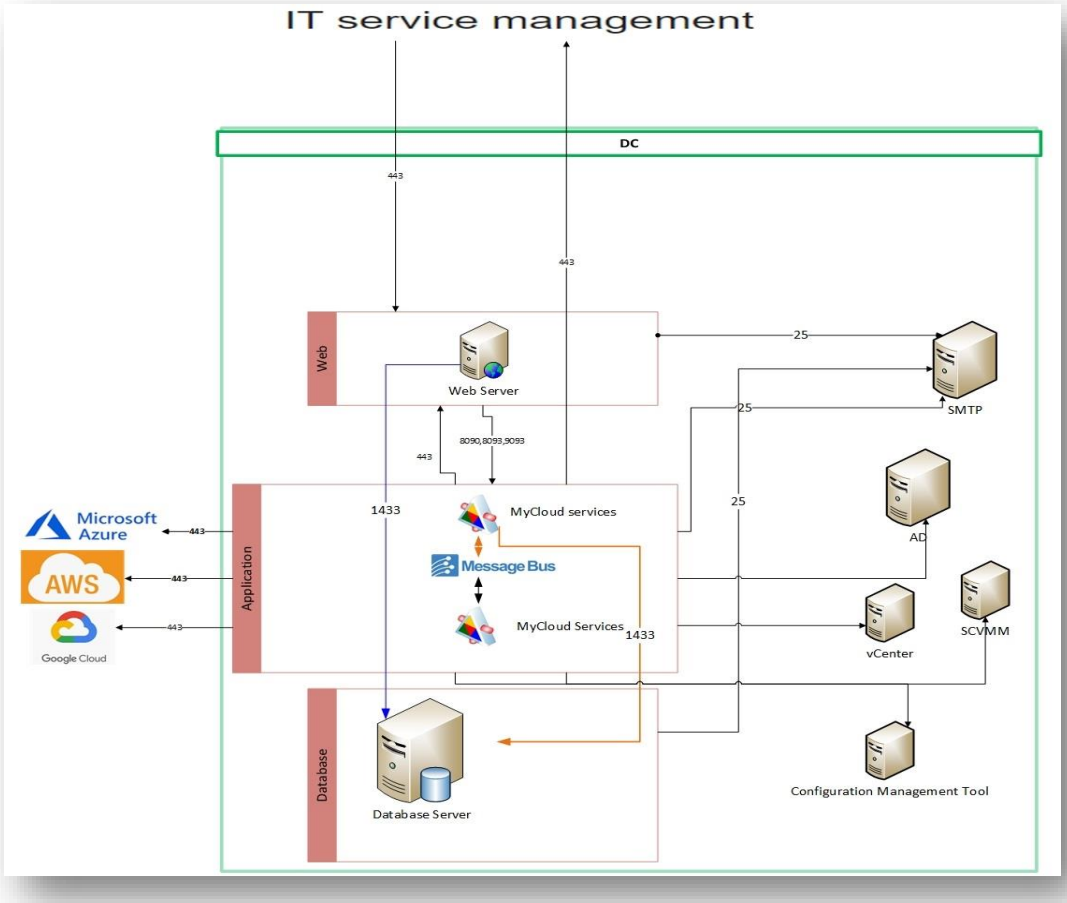

Figure 3 – Architecture of MyCloud

2.3 MyCloud Roles

The following table lists five fundamental built-in roles.

Table 2 – MyCloud Roles

Role	Description
MyCloud Admin	MyCloud Admin has the rights to manage providers, admin level jobs and other component related configurations
Provider Admin	Provider Admin is a business manager or an IT administrator, responsible for configuring MyCloud as per the organization requirements. The primary responsibilities are: • Manages and configures the Organization • Manages the users and groups (within the Organization) • Manages UI Template • Manages services catalogue • Creates Approval groups and Workflows • Manage Organization Resources • Manage Domains/AD Users in Organizations • Request status tracking
Organization Admin	Organization Admin has the rights to manage the users, roles, and groups assigned to them (organization-specific)
Requester	Requester has the rights to request for Infrastructure resources (IaaS & PaaS services) view or manage reports related to the resources
Approver	Approver has the rights to approve the requests raised by the requesters

For detailed information about roles, please refer DRYiCE MyCloud Configuration Guide and User guide.

2.4 MyCloud End-User View

2.4.1 Requester Module

This module describes how a service requester requests different types of services including **IaaS** and **PaaS**.

A **Requester** is a business end-user who is consuming services of MyCloud. The following are the actions that are performed through this module:

- Request service catalog items that are entitled to the user
- Manage their provisioned resources
- View reports

For detailed information about roles and other modules, please refer DRYiCE MyCloud User guide.

2.5 MyCloud Benefits

- **Reduce Costs**
  - Higher cost savings through Process standardization & Automation
  - Provide visibility of usage of virtual assets & cost obligations to key custodians
  - Optimize virtual asset utilization to avoid cost leakages
- **Mitigate Risks**

- Improve Performance and Fault Tolerance of systems and services through proactive advisories.
- Transform the process from Human driven to Automation driven and eliminate human error from the equation.
- Mitigate security related risks based on system driven suggestions

– **Drive Efficiency**
  - Reduce VM provisioning cycle by up to 85%
  - Achieve up to 50% faster deployment of services through Automation

3 Support

For any product related queries and new installations, drop an email to MyCloud-ProdSupport-Team@hcl-software.com.

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