READY SET GO

OpenShift Enterprise by Red Hat

Self Paced Evaluation for Test Drive

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This is a Customer-facing document between Red Hat, Inc. and the Client of the Ready Set Go services package for OpenShift Enterprise by Red Hat.

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Revision History

Version	Date	Contributor	Description
v1.1	20-FEB-2015	Stefano Picozzi	Revised for Test Drive
v1.0	23-JAN-2015	Stefano Picozzi	Prescribed use cases for Ready Set Go for OpenShift Enterprise
v0.1	24-NOV-2015	Mike Hepburn	First draft

Table of Contents

1 Introduction

1.1 Purpose

The purpose of this document is to list use cases to supplement the **Ready Set Go** methodology for OpenShift Enterprise by Red Hat on AWS Test Drive.

1.2 Audience

The audience for this document is resources assigned to assess OpenShift Enterprise by Red Hat as launched for self-paced evaluation using the AWS Test Drive system.

1.3 Referenced Documents

Version	Description
www	http://testdrive.bruce-ose.com/

1.4 Terms and Acronyms

The table below provides a glossary of the terms and acronyms used within this document.

Acronym	Description
OSE	OpenShift Enterprise by Red Hat
RSG	Ready Set Go

2 Use Cases

The focus for the OpenShift Enterprise work is on three roles and use-cases SUMMAISED as follows:

ID	Roles	Use cases
0.1	Operations	Provisioning OpenShift Enterprise environment
0.2		Basic operations
D.1	Development	Developer self-service
D.2		Managing existing applications
D.3		Porting a target application
D.4		Agile development

2.1 Requirements and Prerequisites

A successfully launched instance of OSE using the AWS Test Drive.

2.2 Operations Use Cases

O.1	Provision OpenShift Enterprise environment

As an Operator I can verify the deployment of a private instance of OpenShift by Red Hat PaaS on the AWS Test Drive target environment.

☐	Successful completion of OSE launch using AWS Test Drive
☐	Become familiar with OpenShift Enterprise topological concepts such as regions, zones, districts and domains
☐	Verify Test Drive deployment using oo-admin system tools

O.2	Basic operations

As an Operator, I can perform basic operational functions so that I can start and stop services, diagnose problems and provision users and manage cartridges.

☐	Add at least user to OpenShift Enterprise
☐	Manage supported cartridges such as list, activate and deactivate
☐	Identify, start and stop all OpenShift Enterprise system services and associated log files
☐	Identify, start and stop OpenShift Enterprise application and associated log files

2.3 Developer Use Cases

D.1	Developer self-service
As a Developer I can perform basic self-service functions so that I can create a new application based on a technology stack drawn from the supported cartridge list.	
☐	rhc client tools installed and configured
☐	Developer has developer role privileges
☐	Available cartridge list matches deployed
☐	Create and deploy of "my first application"

D.2	Managing existing applications

As a Developer I can perform basic management functions so that I can make changes to the application and inspect application content and resources.

☐	Create and ssh login to the application gear of "my second application"
☐	Discover and inspect application gear standard layout, logs and quotas
☐	Make and apply changes to the application using git from the command line
☐	Add a MySQL database cartridge to "my second application"
☐	Install MySQL client side tools and then connect to database using port-forwarding
☐	Create a scalable application using rhc tools with customised scaling parameters
	Inspect gear sizing and storage availability using rhc tools

D.3	Porting a target application

As a Developer I can port a suitable conventionally deployed application across to the PaaS so that I can demonstrate use of OpenShift for the re-hosting of an existing application.

☐	Identify and assess a suitable target application, for example, an open-source container application based on a supported cartridge following a 12-factor pattern.
☐	Port application to OpenShift
☐	Verify ported application using client supplied test cases

D.4	Agile development

As a Developer I can use OpenShift to quickly and safely manage application development so that I can verify PaaS as an enabling technology for agile development methods.

☐	Demonstrate application snapshot, rollback and deployment history capabilities
☐	Explain, configure and demonstrate role based teaming capabilities
☐	Measure velocity of application changes
☐	Promote application from on-premise OpenShift Enterprise to OpenShift Online