Advanced Agile Integration Distance Learning Program

What is it?

The Agile Integration Distance Learning Program is a new Agile Integration learning experience to our Integration partners.

Agile integration brings together distributed integration, hybrid clouds, and application programming interfaces (APIs) in a new architectural framework that aligns these critical elements of integration with agile and DevOps processes to create or reorganize systems so that they are ready for change at a moment's notice. Adopting agile integration enables businesses to quickly integrate system assets to meet new business requirements as they arise. Developers can divide the software they write into smaller and highly adaptable container-based microservices and take advantage of reusable APIs to immediately connect these components together, either to fast-track new apps or accelerate the evolution of legacy systems.

Red Hat has put together a comprehensive learning program, that participants can engage with at home or the office to learn everything they need to understand the concepts, the architectural principles and component Red Hat products, for successfully discussing, designing and implementing Agile Integration at a customer site. The products covered in this training are: Red Hat Fuse 7, Red Hat AMQ 7 and Red Hat 3Scale API Management.

This learning path is for EMEA partners only.

Audience: Sales Engineers & Delivery

Red Hat Fuse

Red Hat AMQ

Red Hat 3scale API Management

Registration will open soon

For registration (in OPEN – Online Partner Enablement Network) you need to have an active Red Hat Partner Connect Account.

Prerequisites

- Experience with Enterprise Integration.

- Basic knowledge of Red Hat

- Commitment to completion of the full program

- You need to have an active Red Hat Partner Account to access OPEN (Online Partner Enablement Network). If you do have questions in regards to this please check our "How to Guide" or contact the EMEA Partner Team emea-partner-team@redhat.com

How is the Agile Integration Distance Learning Program set up?

This program will run over the course of 4 weeks, starting with a kick-off webinar for all registrants. There is an anticipated 2-29 hours of content per week to be completed. Each week will see online drop-in clinics to answer questions and get assistance.

The core weeks are laid out as follows:

Week 1	Introduction to Agile Integration	12.5 hours
Week 2	Distributed Integration	28 hours
Week 3	API Management	29 hours
Week 4	Workshop + Homework Assignment	TBD
Optional	Remaining requirements to earn the Delivery accreditation	36 hours

For any open questions please contact us: agile-int-dlp@redhat.com.

Detailled Agenda | Agile Integration Distance Learning Program

To see your personally progress please log in here.

The different formats: 💬 Live interactive webinar   🎙 On-demand webinar   🖥 OPEN online training   ⚙ Instructor-Led Training

Accreditation: ⚙ The requirements of the Agile Integration Distance Learning Program are most closely aligned with the Red Hat Delivery Specialist – Agile Integration accreditation path. This sign shows the remaining requirements to earn the accreditation.

Weekly Ongoing

Course name	Description	Duration
💬 Agile Integration Clinic	Live interactive webinar for Q&A as well as delving deeper into the details of various aspects of Red Hats Agile Integration Solution *– Recommended, not mandatory –*	1 hour

Week 0 — Introduction to Program

Course name	Description	Duration
💬 Agile Introductory Webinar	Live interactive webinar to explain the full program, timeline and a session on getting access to OPEN.	1 hour

Week 1 — Introduction to Agile Integration — 12.5 hours

Course name	Description	Duration
🖥 Red Hat Foundations	In this course, you will hear about Red Hat and how Red Hat established a successful business supporting enterprise customers based on open source standards.	2 hours
🖥 Introduction to Agile Integration	By the end of this course, you will have a greater understanding of Agile Integration. You will know how to position Red Hat's portfolio to help your customers find the Agile Integration strategies best suited for their needs. And by understanding Agile Integration, you will be familiar with one of the fundamental stages of digital transformation.	20 mins
🎙 Agile Integration Vision	Webinar Series (1/5)	40 mins
🎙 Agile Integration Reference Architecture	Webinar Series (2/5)	35 mins
🎙 Pillar 1 - Distributed Integration	Webinar Series (3/5)	40 mins
🖥 Introduction to Red Hat Fuse 7 on OpenShift	Introduction to Red Hat Fuse 7 on OpenShift provides support for a clustered, centrally provisioned and managed form of Red Hat Fuse based on OpenShift. Introduction to Red Hat Fuse on OpenShift Fuse builds on the knowledge gained in Camel Development Using Red Hat Fuse. Students learn how to set up a Fuse runtime environment on Red Hat OpenShift Container Platform and use source-to-image code and binary workflows to deploy Fuse projects to OpenShift.	8 hours

Week 2	Distributed Integration	28 hours

Course name	Description	Duration
Red Hat Fuse 7 Foundations Part 1: Fuse Online	Red Hat Fuse 7 Foundations Part 1: Fuse Online provides foundational knowledge for technology consultants about Fuse Online, the next- generation cloud-based integration platform from Red Hat. The course covers the following topics: Fuse Online overview Fuse Online integrations Custom API connector creation Technical extensions in Fuse Online Integration log monitoring After completing the course, students are able to integrate applications using Fuse Online, position Fuse Online in consulting opportunities, and deploy Fuse Online to a Red Hat OpenShift Container Platform environment.	28 hours

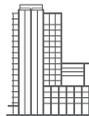| Week 3	API Management	29 hours

Course name	Description	Duration
Red Hat 3scale API Management Implementation	Red Hat 3scale API Management Implementation course focuses on the Implementation aspects of using the 3scale AMP (On Premise API Management Platform). This course discusses the architecture of 3scale AMP, on-premise installation and configuration, and working with Hybrid and standalone APIcast gateways. The course prepares students to administer and manage the 3scale API Management Platform hosted on OpenShift Container Platform. The students get to work on hands-on labs for installing 3scale AMP 2.0, and using the standalone APICast gateway, running as a process, in docker, and on OpenShift. The course also gives students hands-on experience working with Red Hat Single-sign-on (RH SSO) and using it for enabling end-to-end security for APIs. This involves use of OAuth2 and OpenIDConnect (OIDC) configurations. This course allows students to use an Ansible playbook to create Continuous Integration & Continuous Delivery (CI/CD) for automating phased deployment of 3scale AMP.	16 hours
Pillar 3 - APIs & API Management	Webinar Series (5/5)	50 mins
Red Hat 3scale API Management Platform Foundations	Red Hat 3scale API Management Platform Foundations provides a basic introduction to the API economy features of Red Hat 3scale API Management Platform. The course consists primarily of lab procedures in which students configure an API management integration with an existing API, establish different API consumer segments via application plans, explore API analytics, and expose a self-service API consumer portal. After completing this course, students will understand the API economy opportunity and be able to confidently describe and configure the basic features of Red Hat 3scale API Management Platform.	12 hours

Week 4	Workshop (Instructor-Led Training) + Homework Assignment	TBD
Course name	**Description**	**Duration**
Agile Integration Full-Stack Workshop	This is a chance to get your hands on a hosted version of Red Hat's Agile Integration suite and build your own project using everything you have learned over the last few weeks. It will include detailed lab guides to show how the products interact and communicate together.	2 hours
Homework assignment	For this assignment please create and submit an architectural presentation on Red Hat Agile Integration that you could present to your customers. Please also include relevant speaker notes or bullet points on the slides to portray the idea shown.	TBD

Optional courses	Remaining requirements to earn the Delivery accreditation	36 hours
Course name	**Description**	**Duration**
Red Hat Fuse 7 Foundations Part 2: Camel	This course introduces students to foundational concepts in Red Hat Fuse 7. These include building integrations using Apache Camel and deploying them in a variety of runtimes in a standalone mode or on OpenShift.	12 hours
Red Hat AMQ7 Foundations	This is a labs-based course in which students learn the latest features of Red Hat AMQ 7. Students learn about the Advanced Messaging Queue Protocol (AMQP), which promotes greater interoperability, and about the dispatch router and the Red Hat AMQ broker, which communicate using AMQP. The dispatch router can be used to implement a wide variety of messaging architectures. Students learn how the dispatch router is particularly well suited for the router network messaging pattern by understanding how router networks provide resiliency and redundancy, router networks provide intelligent messages routing, and dispatch routers are horizontally scalable by design.	24 hours

About Red Hat

Red Hat is the world's leading provider of open source solutions, using a community-powered approach to provide reliable and high-performing cloud, virtualization, storage, Linux, and middleware tech-nologies. Red Hat also offers award-winning support, training, and consulting services. Red Hat is an S&P company with more than 80 offices spanning the globe, empowering its customers' businesses.