

RUP Implementer Roadmap

The RUP Implementer is responsible for leading the RUP adoption for a project or organization. This role often requires special skills. This roadmap provides the information to help you decide what type of RUP implementation you should do and point you toward a set of resources that will help you succeed.

Step 1. Decide on the Type of RUP Implementation

What do we mean by the “type” of RUP implementation? There are several ways you might be deploying RUP. Each will require different knowledge and skills. We identify three main ones below and provide separate steps for each.

- Implementing RUP throughout an organization. This type of RUP implementation is typically done at a high level. The skills required often involve negotiation and business capabilities. For large organizations, this should be done before either of the next two types of implementation is done. See Step 2a for information about this type of implementation.
- Implementing RUP for a specific type of project. RUP is meant to be customized. When your organization builds software, each project has its own nuances that must be addressed. However, there are usually several different types of projects you undertake. Depending upon the size of the organization and the maturity and formality of your process, you may produce RUP configurations for the different types of projects you work on. For example, you might have mainframe projects, web-based projects, and so on. Each of these will use a different instance of the RUP process framework. You may choose to implement these instances through RUP Process Plug-Ins. See Step 2b for information specific to this type of implementation.
- Project managers are often the ones tasked with implementing a process for their particular project(s). The major effort in implementing the process is to determine which of the artifacts and activities are applicable for the project and the team, and then ensuring that the team understands and buys into the process. See step 2c for information about this type of implementation.

Step 2a. Implementing RUP Throughout an Organization

This level of RUP implementation might be thought of as *strategic* implementation. It is a high-level effort to introduce change into your organization. It involves getting agreement at all levels of the organization on what changes are appropriate and how these changes will be introduced. These resources will help you:

- [Introducing the RUP into an Organization](#)
- Consider using the [Rational field services](#) to help you assess your organization for RUP implementation.
- [Implementing RUP in an Organization - The Volvo IT Approach](#)
- [Introducing the RUP Buffet](#)

Step 2b. Implementing RUP for Specific Project Types

At this level of implementation, you will want to configure RUP so that it can easily be used by the projects in your organization. A process engineer is usually the person who will perform this part of the RUP implementation. Rational recommends that you consider building the appropriate configurations by taking your existing process material, determining how it works within the RUP framework, and creating one or more RUP Plug-Ins for your organization. This work requires specialized skills. You might consider the following information when doing this type of work.

- If you are not familiar with UML and visual modeling, you should learn about it by visiting the [Rose product area](#), and the [UML resource center](#)
- Learn how to create RUP Plug-Ins.

- An alternative way of creating a RUP configuration for a particular type of project is to build an Organization Web. This is a Web site that sits on top of RUP and your own existing process content and filters the material as appropriate for the project type. To find out more, look at the Process Engineer Toolkit in RUP, and at the [Organization Web Example](#) From RUP v2002.

Step 2c. Implementing RUP for Your Project

A project manager will usually configure RUP for his or her specific projects. You may have a preconfigured instance of RUP from which to start. Alternatively, you may need to create a configuration using the RUP Builder product.

If you need to create a configuration, use RUP Builder to combine the core RUP content with one or more RUP Plug-Ins. To learn how to do this, check out the following:

- Installing RUP Plug-Ins Demo and Rational Unified Process Builder: Process Manager's Guide
- Survey the available Plug-Ins. Some of these may be created by your organization, and others are available in the Rational Area of [IBM developerWorks](#). Determine which of these are appropriate for your project. Then use RUP Builder to configure an instance of RUP for your project.
- Construct your Development Case. This describes how your team will use the RUP configuration for your project. You can find out about Development Cases by looking at the RUP, and reading [Dr. Process: How can we customize the RUP?](#) You can also look at the following article for an example of how others have created their Development Case:
 - [Developing Pet Store Using RUP & XDE](#)
- You may also choose to create a Project Web for your project. This is a Web site that is similar to the Organization Web, but contains just the information for your project, including specific role assignments and pointers to the actual artifacts from your project. You can find out more about Project Webs from the Process Engineer Toolkit in RUP.

Step 3. Launch your process

Regardless of the level at which you are implementing RUP, you need to begin the work of introducing the process into your organization. This involves a couple of activities.

- Publicize the process. Tell people what the process is, how to use it, and why it is important to them.
- Train the people. Introduce people to RUP through training, either delivered over the Web or in-house. Some recommended classes are:
 - [PRJ110: Principles of Rational Unified Process Web-based training course](#)
 - [PRJ270: Essentials of the Rational Unified Process](#)
- We have found that change is best effected when you have someone helping you who has already been through the changes. Consider contacting the Rational field for information about the [Rational Unified Process Deployment Service](#). Taking advantage of this service will help you create your Development Case as well as ensure that your people are able to work effectively with the process as quickly as possible.

Step 4. Troubleshooting

- [IBM Support Page for RUP](#)