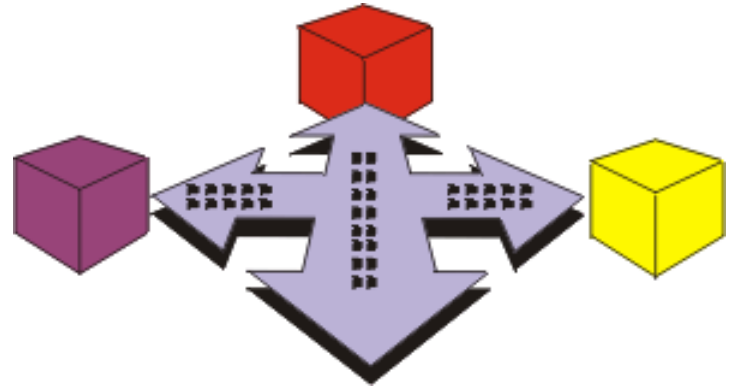# RUP Deployment

- RUP Deployment Workflow
- RUP Deployment Artifacts & Deliverables

RUP Deployment - Purpose

- The Deployment Workflow describes the activities associated with ensuring that the software product is available for its end users.
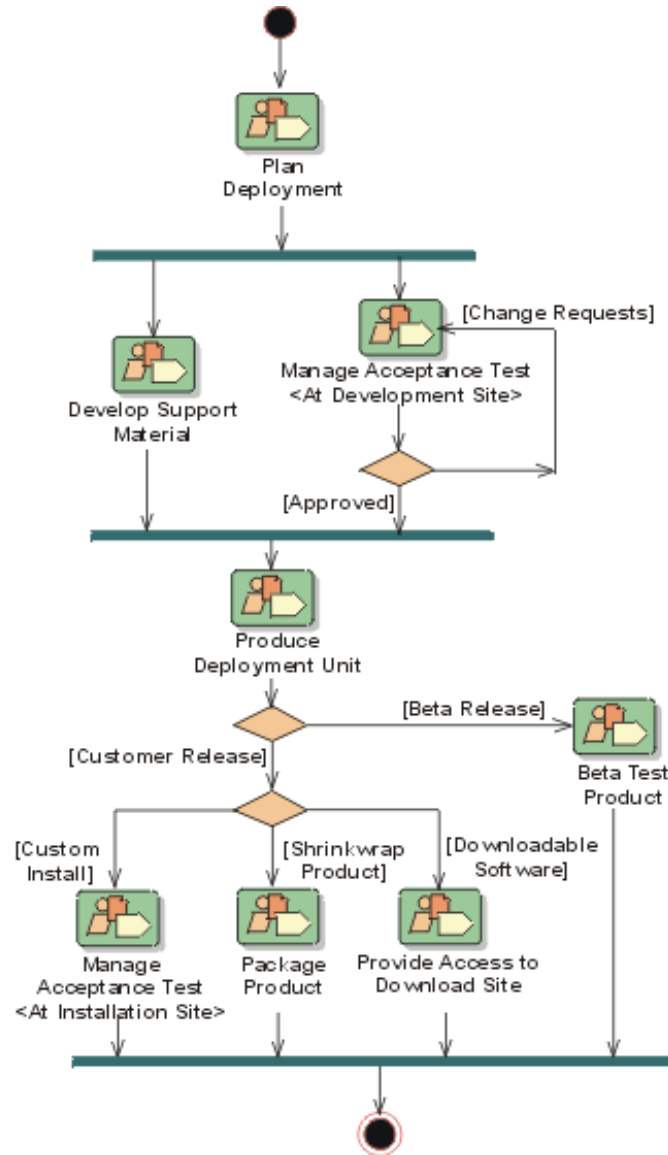
Deployment Modes

- Custom install
- "Shrink wrap" product offering
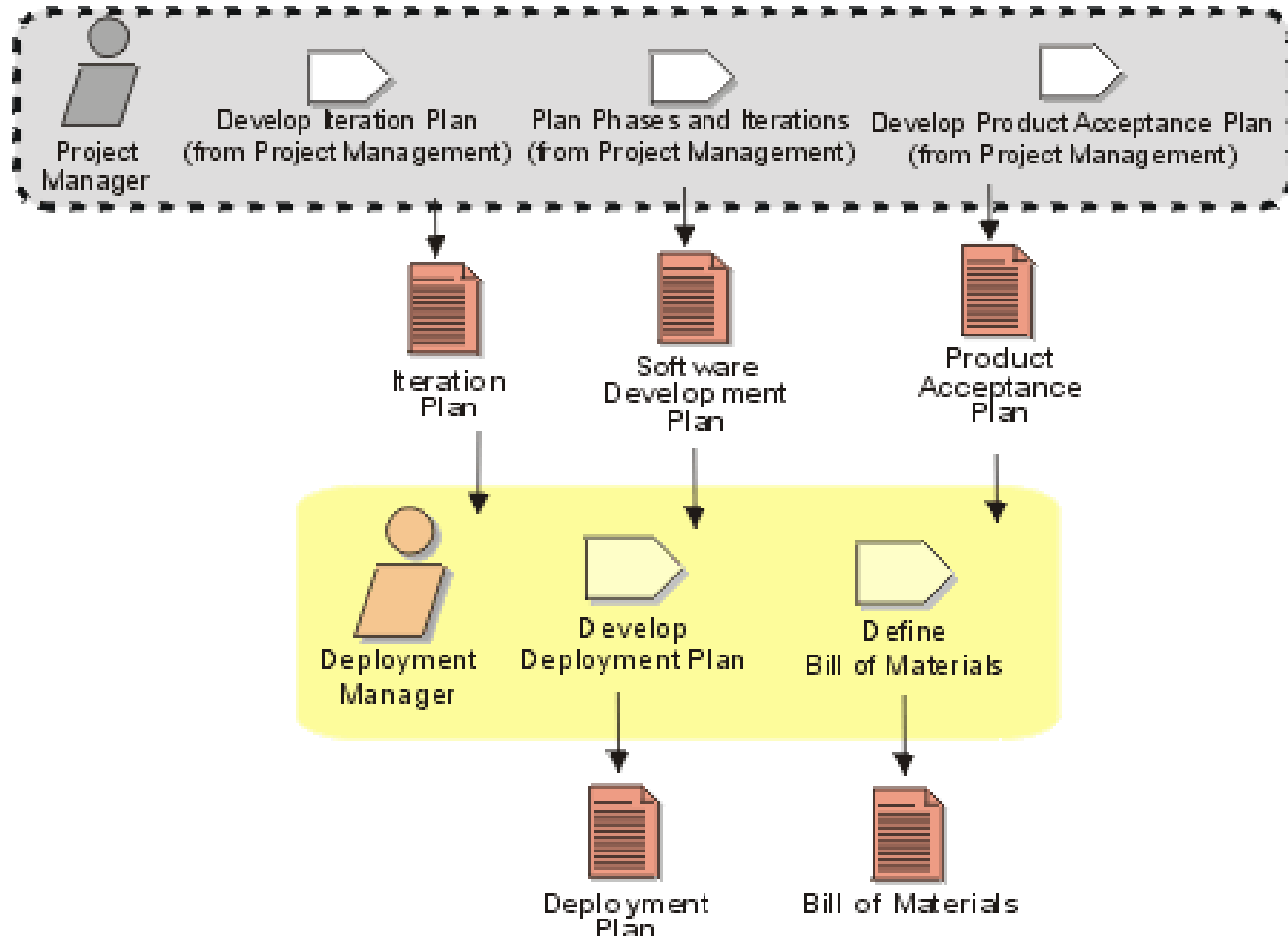- Access to software over the internet

In each instance, there is an emphasis on testing the product at the development site, followed by beta-testing before the product is finally released to the customer.

Deployment Workflow

Plan Deployment Workflow

Plan Deployment - Purpose

- Take into account how and when the product will be available to the end user.

- Deployment planning requires a high degree of customer collaboration and preparation.

- A successful conclusion to a software project can be severely impacted by factors outside the scope of software development such as the building, hardware infrastructure not being in place, and the staff being ill-prepared for cut-over to the new system.

- To ensure successful deployment, and transition to the new system and ways of doing business, the Deployment Plan needs to address not only the deliverable software, but also the development of training material and system support material to ensure that end users can successfully use the delivered software product.
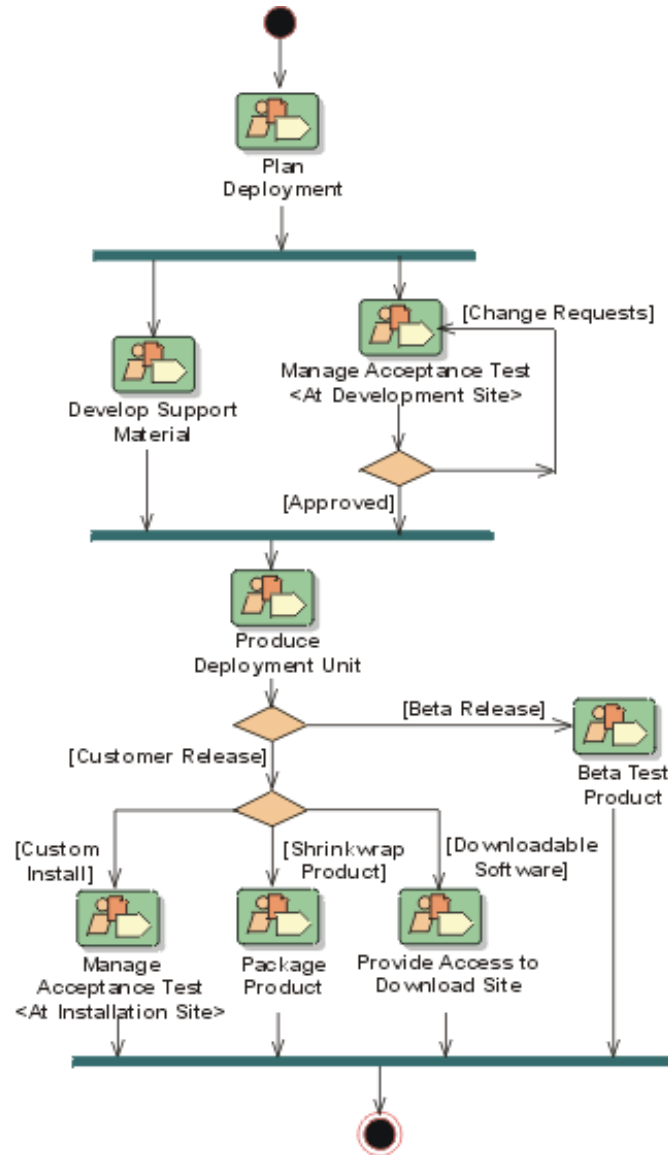
Plan Deployment - Staffing

- A deployment manager needs to be someone who is aware of the operational needs of the end user and capable of pulling together all the items that go into making the product.

- The deployment manager runs the beta test and, in the case of "shrink wrap" products, deals with the manufacturers to ensure that adequate quality is achieved in the product.

- The deployment manager "gets the product out there" and, as such, needs to be well versed in the required infrastructure, and user needs, to ensure that the product is available for the users.
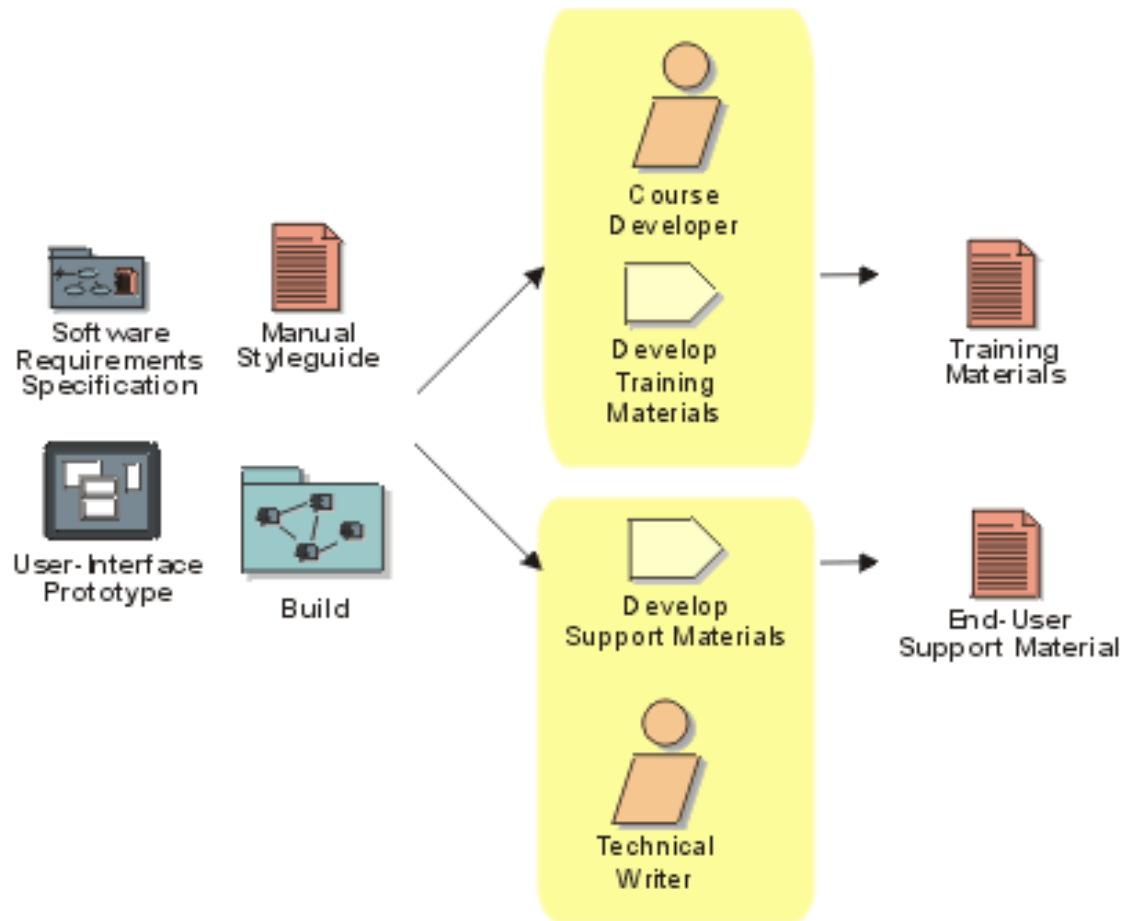
RUP Deployment Plan

- Responsibilities and Schedule
- Hardware & Facilities Resources
- Support Software, Documentation & Personnel
- Training Plan & Documentation

Deployment Workflow
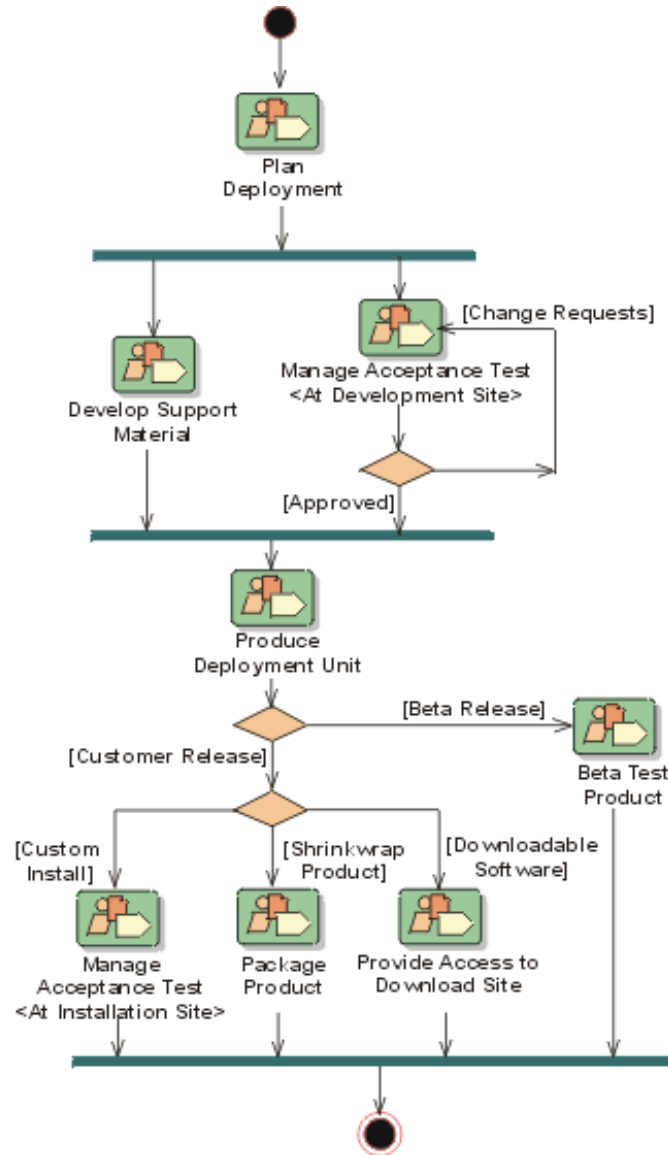
Develop Support Material Workflow

Develop Support Material - Purpose

- To produce the collateral needed to effectively deploy the product to its users.

- Support material covers the full range of information that will be required by the end-user to install, operate, use, and maintain the delivered system.

- It also includes training material for all of the various positions that will be required to effectively use the new system.
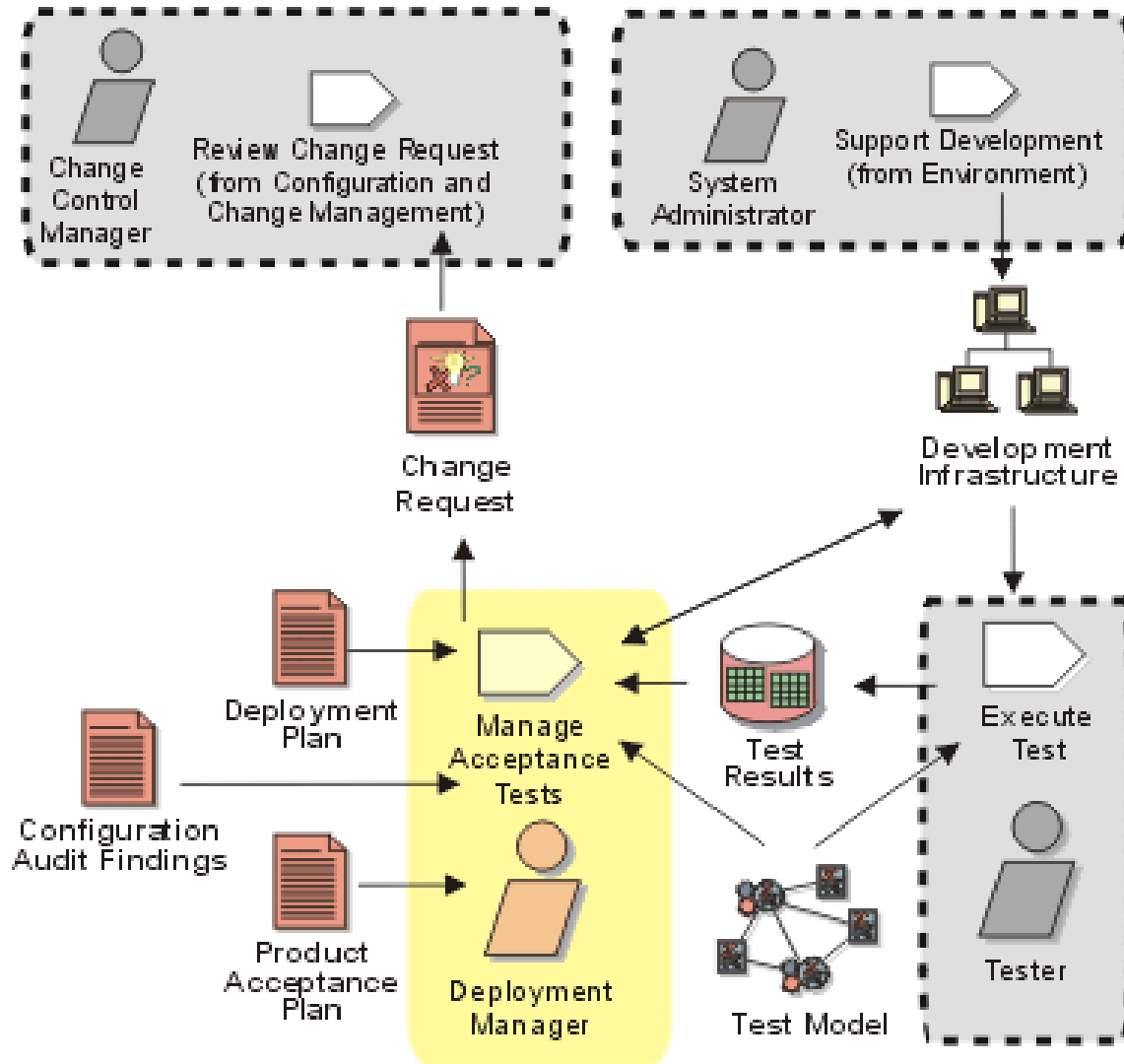
Develop Support Material - Purpose

- Both the Technical Writer and Course Developer need to be articulate and adept at creating information, written or otherwise, that is relevant from an end-user perspective.

Deployment Workflow
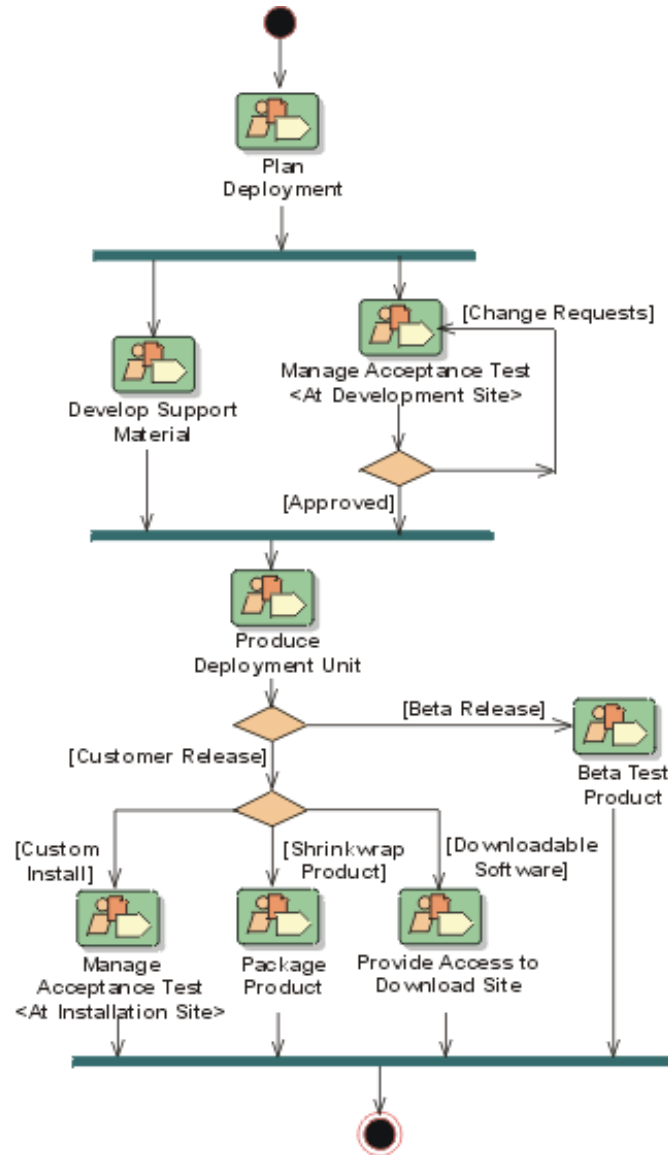
Manage Acceptance Test Workflow

Manage Acceptance Test - Purpose

- To ensure that the product is adequately tested prior to its release.

- The Deployment Manager uses the Configuration Audit Findings to verify that all the necessary software and test platforms, to perform the tests in accordance with the Product Acceptance Plan, are in place.

- The Tester runs the tests, based on a selected subset of the Test Model, that generate the Test Results.

- The Deployment Manager reviews the Test Results for anomalies. If there are "show stoppers", the Deployment Manager raises Change Requests that require immediate attention and resolution.

Manage Acceptance Test - Staffing

- A deployment manager needs to be someone who is aware of the operational needs of the end user and capable of pulling together all the items that go in to making the product.

- The deployment manager runs the beta test and, in the case of "shrink wrap" products, deals with the manufacturers to ensure that adequate quality is achieved in the product.

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Deployment Workflow

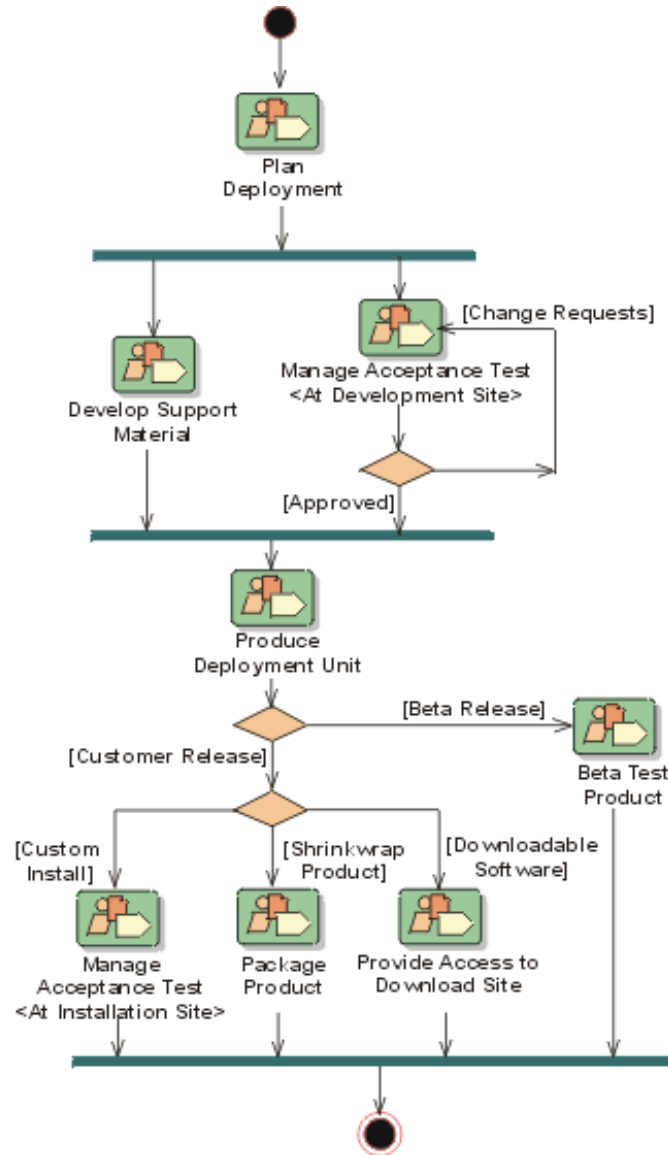# Produce Deployment Unit Workflow
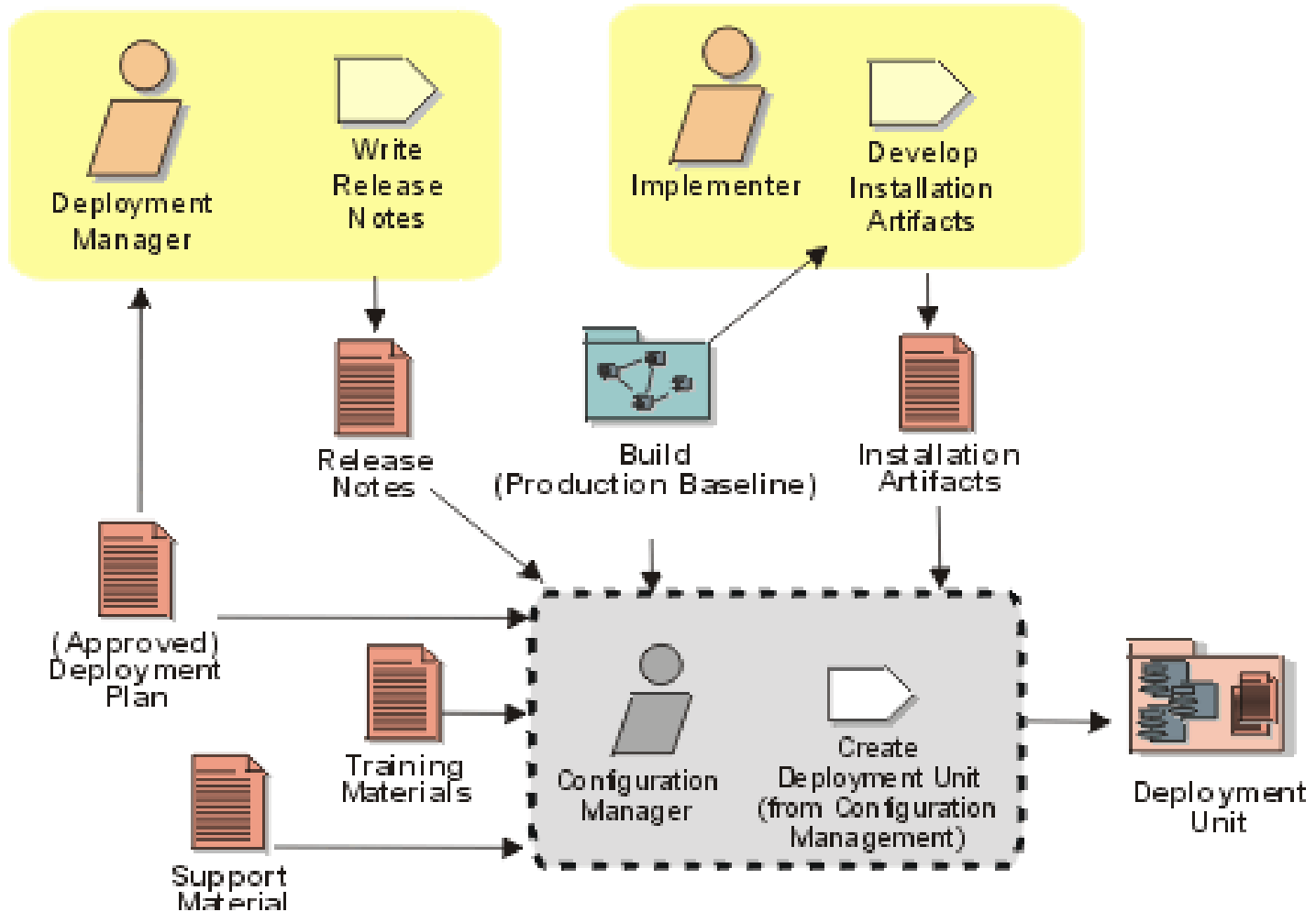
Produce Deployment Unit - Purpose

- Create a deployment unit that consists of the software, and the necessary accompanying artifacts required to effectively install and use it.

- The deployment unit can be created for the purposes of beta testing a test deployment to the final users or, depending on it level of maturity, for the final product.
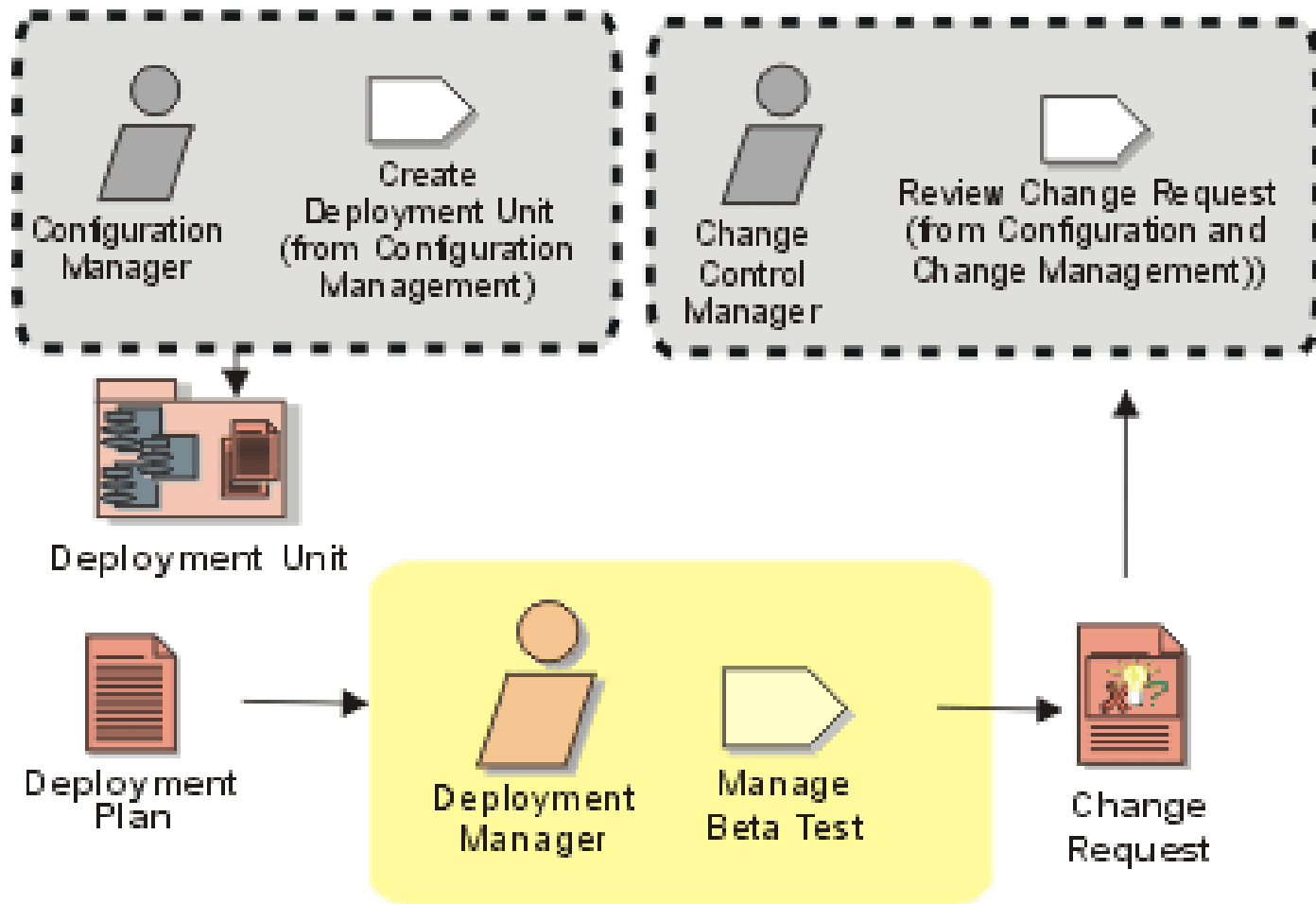
Produce Deployment Unit - Staffing

- This workflow detail relies on the skill set of described workers to create the product, installation scripts, and associated user support material, in a form that can be effectively delivered to the end users.

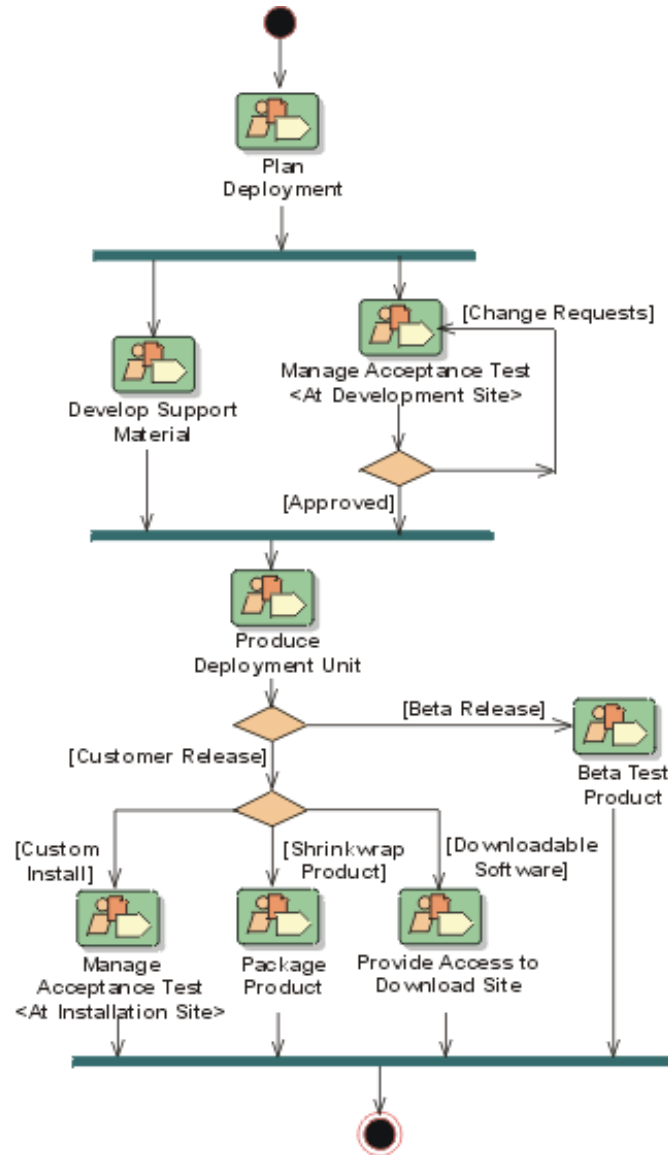# Deployment Workflow

Beta Test Product Workflow

Beta Test Product - Purpose

- Create a beta program to solicit feedback on the product under development from a subset of the intended users.

- The feedback from the Beta Program is viewed as Stakeholder Requests and factored into developing product features.

Beta Test Product - Staffing

- A deployment manager needs to be someone who is aware of the operational needs of the end user and capable of pulling together all the items that go in to making the product.

- The deployment manager runs the beta test and, in the case of "shrink wrap" products, deals with the manufacturers to ensure that adequate quality is achieved in the product.

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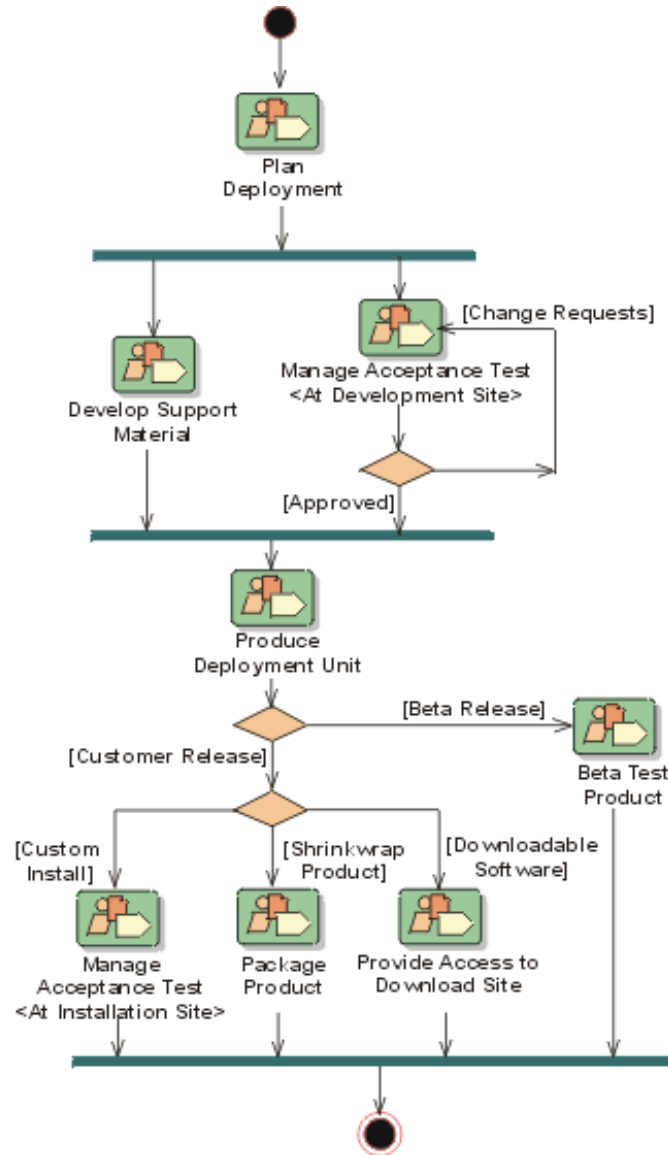# Deployment Workflow

Package Product Workflow
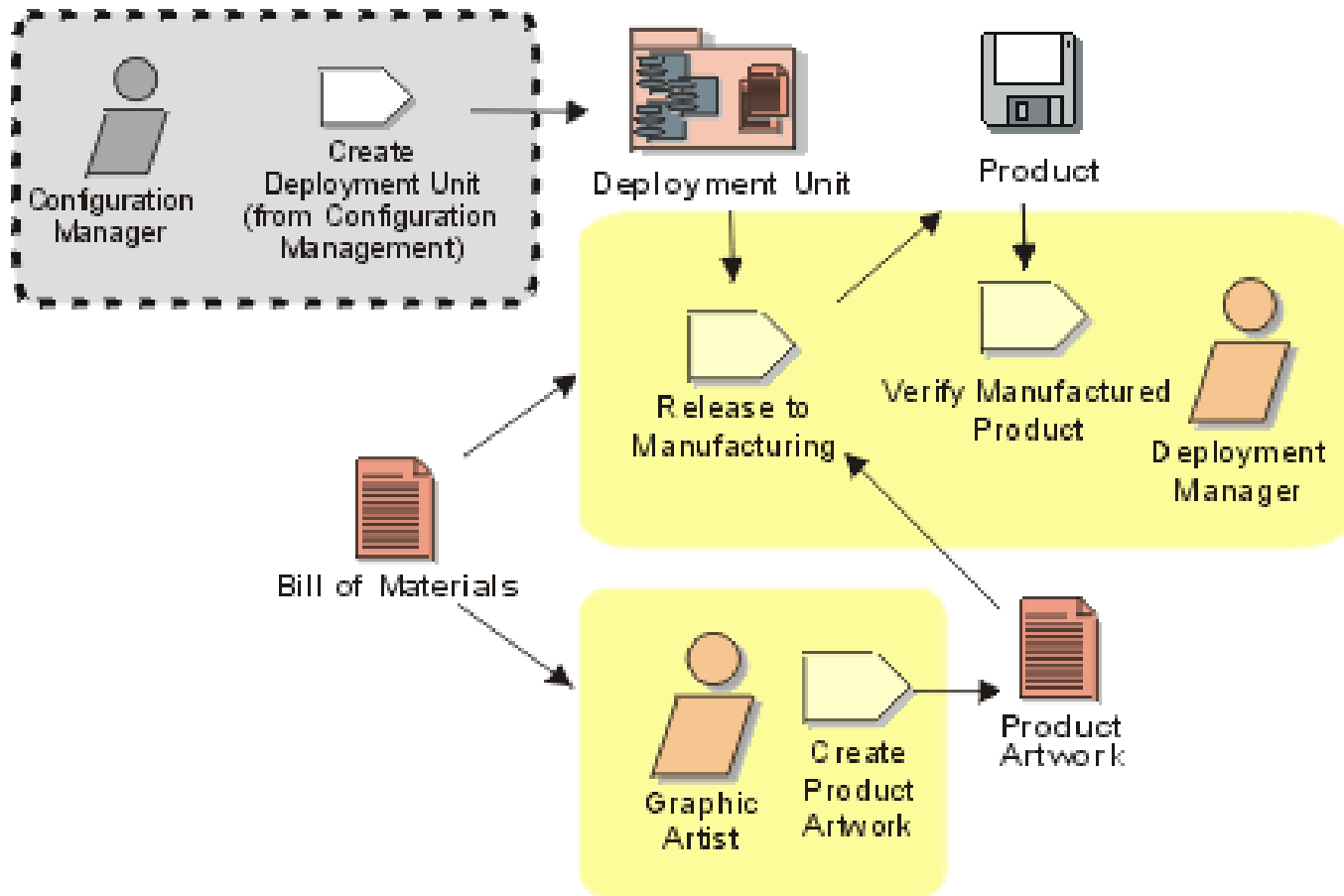
Package Product - Purpose

- To describe the necessary activities to create a "shrink wrap" product.

- The idea is to take the deployment unit, installation scripts, and user manuals, then package them for mass production like any other consumer product.

Package Product - Staffing

- Apart from the software logistics people like the Deployment Manager, this workflow calls for the product image-makers such as the technical "copy" writers and graphic artists to lend their talents to add to the product's visual appeal as it competes for consumer attention.

- Also required is handing off of the product to manufacturing, who will produce the product in massive quantities.

Deployment Workflow
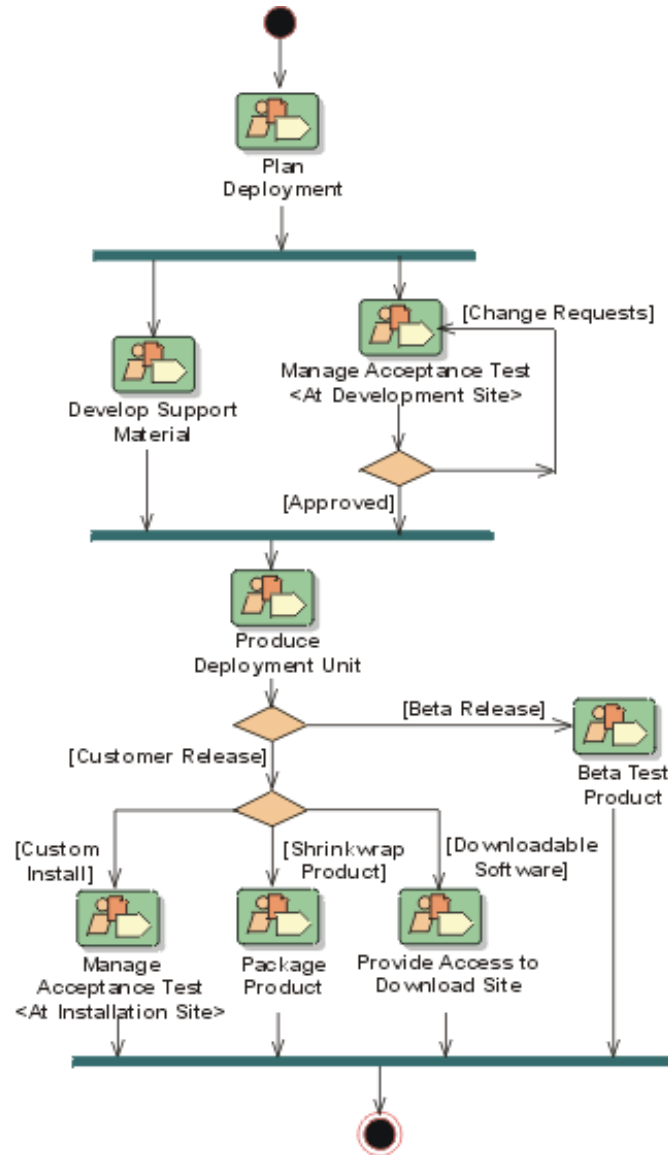
Download Access Workflow
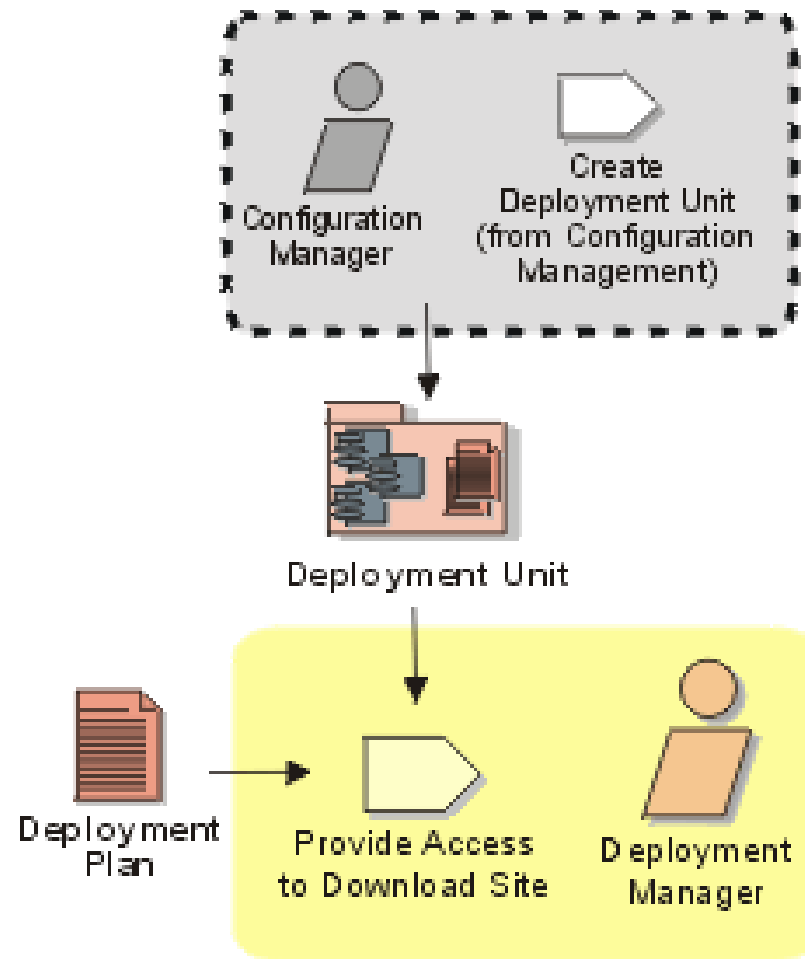
Download Access - Purpose

- To make the product available for purchase, and download over the internet.

- The appeal of the internet as a software distribution channel is obvious – the product is entirely accessible through the software environment via browsers and web-sites.

- The challenge for the provider is to make sure the product is reliably available at all times to a global marketplace, even through varying loads that could choke the host hardware and communication bandwidths.
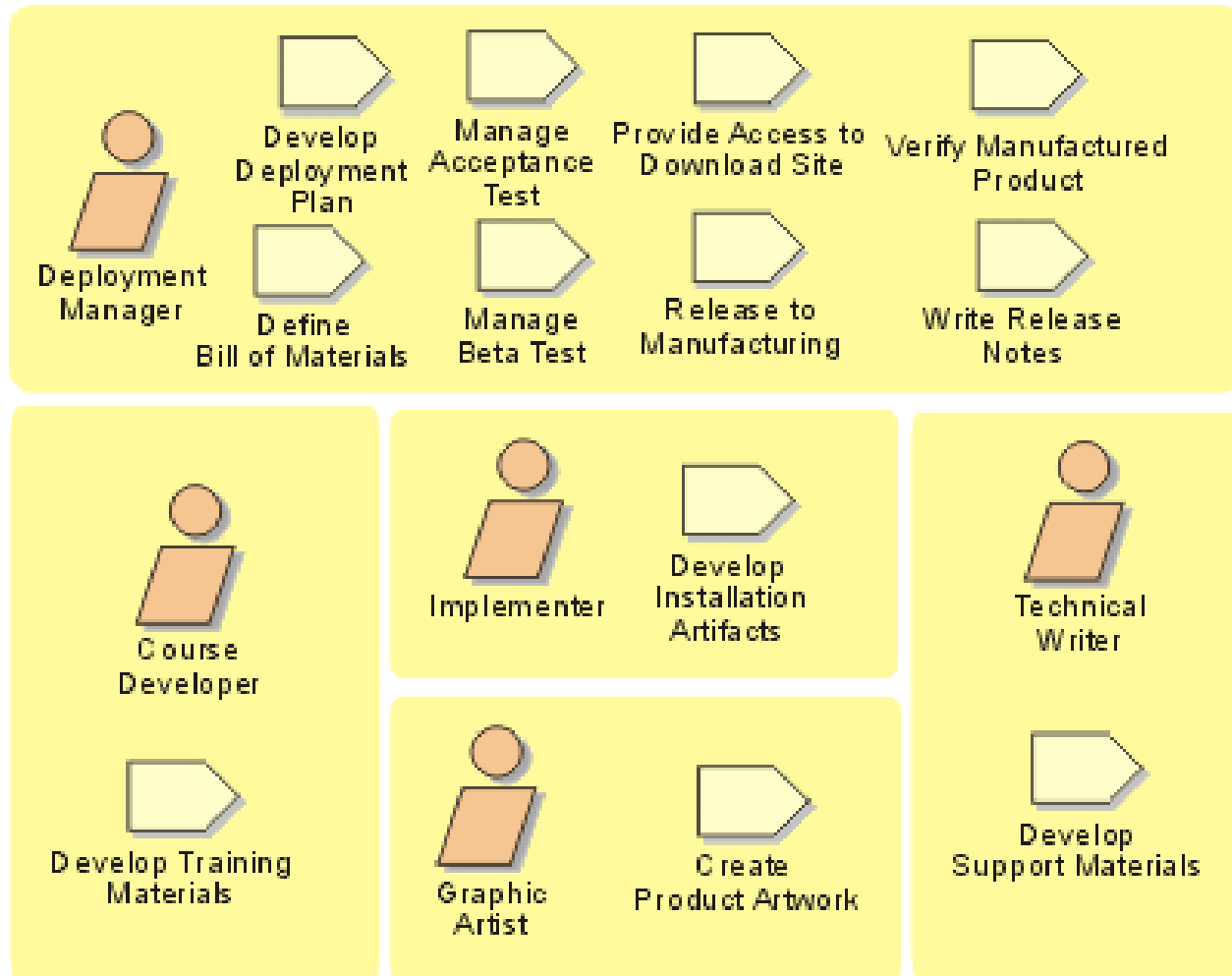
Download Access - Staffing

- The deployment manager needs to know how to add the product offering to the list of products available over the web and that the product is available for purchase and delivery on demand.
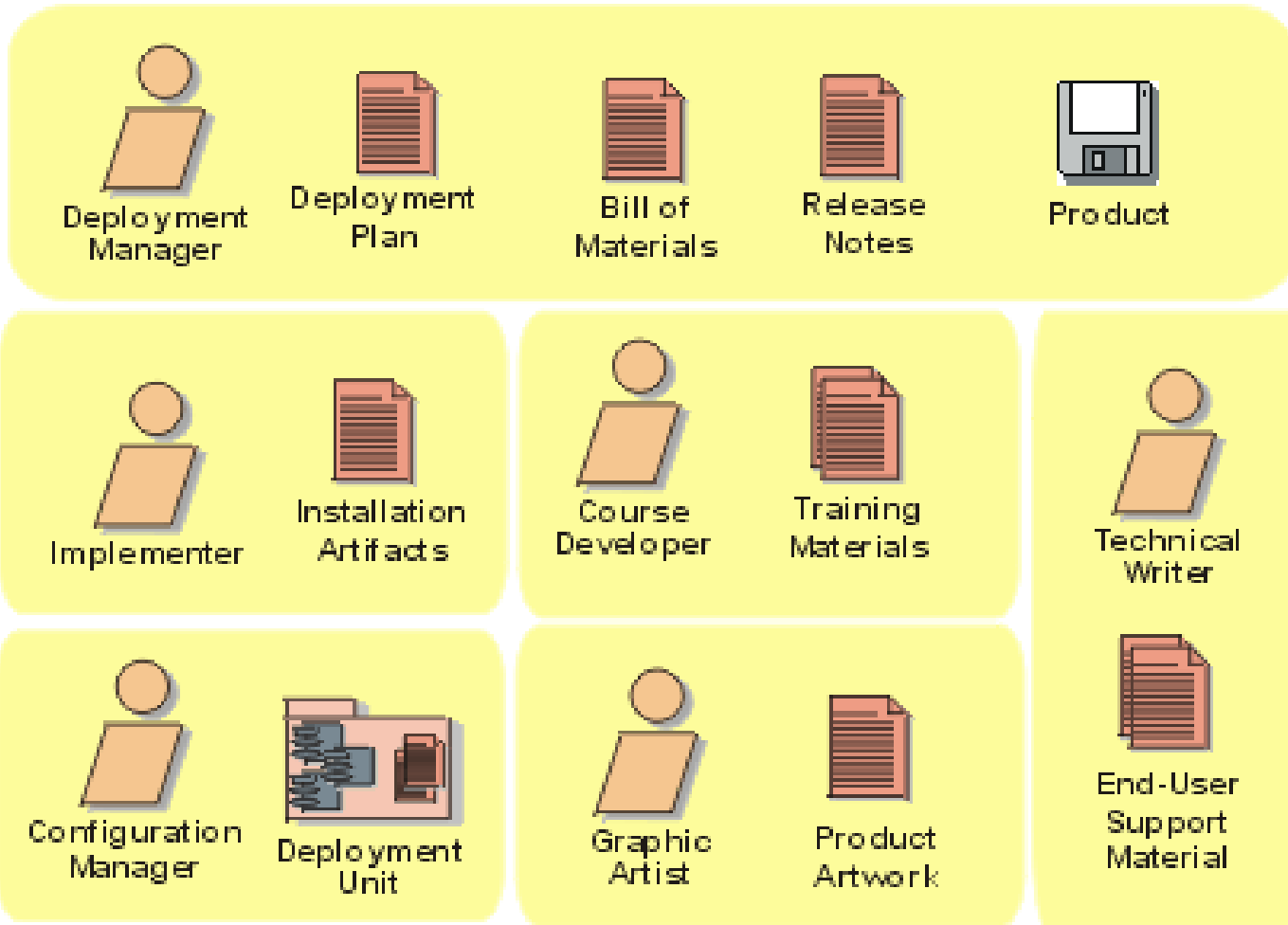
Deployment Workflow

Deployment Activity Overview

Deployment Artifact Overview

Questions?