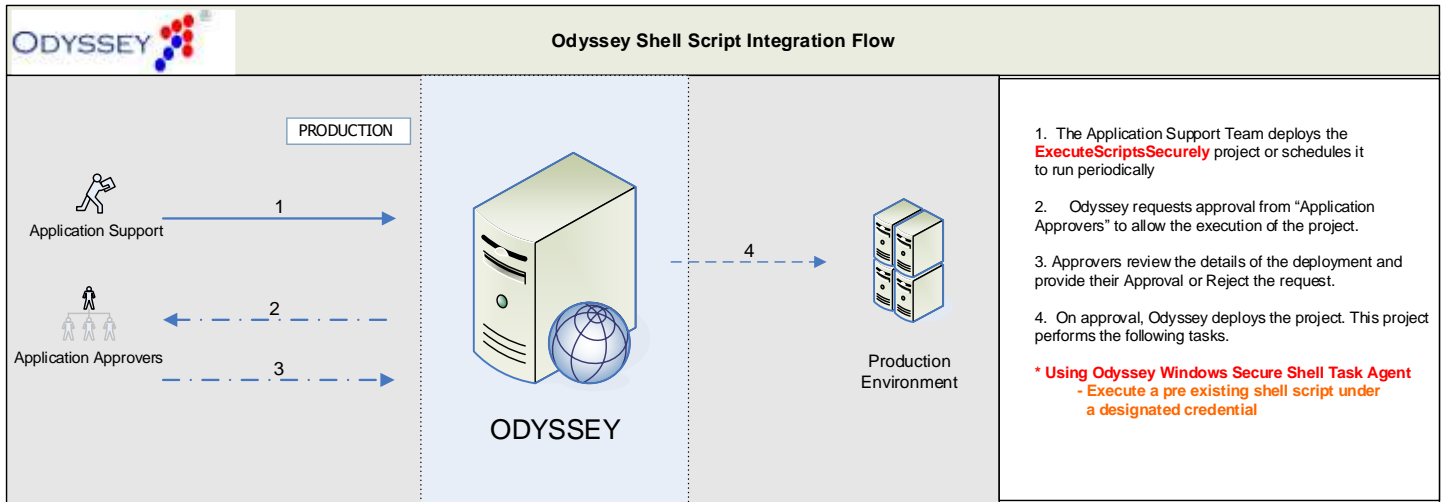# Odyssey Use Case
Shell Script Management

Pantheon's Odyssey Digital Automation Platform tackles the problems of integration, scheduling, routing, approvals, reporting and auditing. Odyssey brings together your existing applications, operating systems, databases in new and exciting ways, and it makes complex interactions faster and more consistent.

This document contains a real-world Use Case of how our customers have used Odyssey to extend their capabilities, bring speed and precision to their work, and allow employees to get more done in less time.

Shell Script Management

Odyssey Shell Script Integration Flow

PRODUCTION

Application Support

Application Approvers

ODYSSEY

Production Environment

1. The Application Support Team deploys the **ExecuteScriptsSecurely** project or schedules it to run periodically

2. Odyssey requests approval from "Application Approvers" to allow the execution of the project.

3. Approvers review the details of the deployment and provide their Approval or Reject the request.

4. On approval, Odyssey deploys the project. This project performs the following tasks.

* Using Odyssey Windows Secure Shell Task Agent
- Execute a pre existing shell script under
a designated credential

The customer needed a way to execute pre-defined scripts on a critical production servers without giving personnel direct access to the servers. A project was created to first request approvals to begin, then runs the script that is already in place on the servers.

The Application Support Team (AST) deploys the project (or schedules it to run on a repeating set schedule) that has the name and path of the script, and information provided by the AST like reason for deployment. Because this project requires one or more approvals, Odyssey notifies the Approvers that the AST has requested deployment. The Approvers then review the request and approve (or reject) the deployment. At that point, Odyssey takes over, and uses the Odyssey Windows Secure Shell Task Agent to execute that script on the server using designated credentials.

At no time did the AST have unfettered access to the one or more servers in the Production environment. The AST did have direct access to the script, and thus could not run unsanctioned processes.

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