# Deployment DEPL

Transitioning software from development to live usage, managing risks and ensuring it works as intended.

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| **Guidance Notes:**  Activities may include, but are not limited to:   * moving new or changed components to testing, staging, and live environments * managing deployments using appropriate approaches (e.g., phased, continuous delivery) * maintaining secure locations for components awaiting deployment * using deployment tools and techniques to ensure consistent and repeatable deployments, supporting governance, audit and change management * monitoring and troubleshooting deployment processes * rolling back deployments in case of issues or failures * ensuring the availability, performance, and security of deployed components * collaborating with release management and other teams * considering supplier-controlled deployments and their impact on the organisation's environment |

## Level 2

Assists in deploying software releases and updates under guidance and supervision.  
Follows defined deployment processes and procedures and uses deployment tools and techniques.  
Monitors deployed applications and reports issues. Assists in rolling back deployments when necessary,

## Level 3

Deploys software releases and updates to production environments.  
Uses deployment tools and techniques to ensure consistent deployments. Monitors and troubleshoots deployment processes.  
Performs rollbacks of deployments in case of issues or failures.  
Collaborates with release management and operations teams.

## Level 4

Plans and executes deployments of complex software releases and updates.  
Manages continuous deployment using automation tools and techniques. Develops and maintains deployment processes, procedures, and scripts.  
Monitors and optimises deployment processes for efficiency and reliability. Ensures the availability, performance, and security of deployed applications.  
Collaborates with cross-functional teams.

## Level 5

Designs and implements deployment approaches, processes and automation tools for the organisation.  
Oversees the deployment of critical and large-scale software. Ensures deployment processes align with organisational standards and best practices.  
Continuously improves deployment processes and automation capabilities.  
Defines monitoring and alert strategies for deployed applications.

## Level 6

Defines organisational deployment strategies, policies, and standards.  
Aligns deployment practices with overall operations and service delivery goals.  
Ensures the availability of resources and tools for effective deployment.  
Drives the adoption of new deployment techniques and technologies. Collaborates with senior stakeholders to ensure deployments meet business strategies and objectives.