

Deployment Duration

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Discussion

Deployment Duration measures the elapsed time between a defined deployment start event and a defined deployment completion event.

The start event may include:

- Authorization of the deployment
- Initiation of a deployment workflow
- Retrieval of the first deployment input
- Start of resource provisioning
- Start of installation

The completion event may include:

- Completion of resource provisioning
- Completion of installation
- Successful activation
- Satisfaction of applicable [Acceptance Criteria](#)
- Declaration that the deployed subject is operational

The applicable measurement definition must identify the start event and completion event. Different event boundaries produce different Deployment Duration measurements.

Deployment Duration may include or exclude:

- Queue time
- Approval time
- Input retrieval time
- Build time
- Provisioning time
- Installation time
- Configuration time
- Validation time
- Recovery time
- Manual intervention time

The applicable requirement or measurement procedure determines which intervals the measurement includes.

Deployment Duration differs from deployment effort:

- Deployment Duration measures elapsed time
- Deployment effort measures the labor or resources consumed during deployment

Definition

elapsed time between a defined deployment start event and a defined deployment completion event

Source

Dido Solutions, Inc. and Jackrabbit Consulting, Inc.

Note

A Deployment Duration measurement should identify:

- The deployed subject
- The deployment start event
- The deployment completion event
- The start timestamp
- The completion timestamp
- Included and excluded intervals
- The target environment
- The observed result

A failed or cancelled deployment may have a measured duration, but that duration does not represent successful Deployment Duration unless the measurement definition explicitly includes failed or cancelled executions.

The term does not prescribe a particular deployment method, orchestration product, platform, or unit of time.

Example

A deployment workflow starts at 10:00 when provisioning begins and completes at 10:18 when the resulting Infrastructure Environment satisfies its Acceptance Criteria. The Deployment Duration is 18 minutes.

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