Software Deployment

Resources on the software deployment process, deployment best practices, deployment planning and more.

Read More on the Following Sub-Pages:

- **Software Deployment Process** — Resources offering general descriptions of the deployment process, deployment in specific environments, how deployment works in specific tools, and examples of deployment processes at Amazon, GitHub and more.
  - **Software Deployment Best Practices** — Resources offering software deployment best practices and guidelines, deployment recommendations for specific environments, and examples of deployment best practices used by real organizations.
  - **Software Deployment Best Practices in Specific Environments** — Resources offering software deployment best practices and guidelines in specific environments, such as AWS, Elastic BeanStalk, and SAS.
  - **Software Deployment and Release Requirements** — Resources on the relation and dependency between the requirements defined for a release, and the resulting deployments of that release.
  - **Compliance and Auditing in Software Deployment** — Resources on how to manage deployments subject to regulation or contractual compliance, with the requirement to enable auditing by a third party.
  - **Deployment Verification** — Resources on how to verify that a deployment or software package is of sufficient quality for its users.
  - **Examples of Software Deployment Process** — Resources offering general descriptions of software deployment process, and examples of deployment processes at Amazon, GitHub and more.
  - **Software Deployment Process with Specific Technologies** — Resources about how software deployment works in specific tools, including Octopus, Puppet, and other commercial and open-source technologies.
- **Deployment Automation** — Deployment automation allows applications to be deployed across the various environments used in the development process, as well as the final production environments.
  - **Deployment Automation Tools** — Deployment Automation Tools help organizations improve the speed and quality of software releases, and address the challenges of manual software deployments.
    - **Complete List of Deployment Automation Tools** — A comprehensive list of deployment automation tools, including database and mobile deployment tools, general purpose deployment tools and open source.
  - **Continuous Deployment** — Continuous Deployment is the practice of continuously pushing to production new versions of software under development.
  - **Model-Driven Deployments** — Model Driven Deployments help organizations automate complex deployments, in order to speed up releases and increase software quality.
    - **Model-Driven Deployment in Specific Deployment Tools** — A comprehensive list of examples of how Model Driven Deployments actually works with specific software deployment tools. Model Driven Deployment help organizations automate complex deployments, in order to speed up releases and increase software quality.
  - **Software Deployment Scripts** — Resources on automating deployments using scripts, typically written in-house or repurposed by operations staff or release engineers.
  - **Deployment Automation Best Practices and Approaches** — A comprehensive list of deployment automation best practices from leading experts of the field.
  - **Deployment Automation Using Specific Tools** — A comprehensive list of Deployment Automation how to guidelines and tutorials using specific tools.
tools such as Docker, Ant, Jenkins and Capistrano.

- **Deployment via Continuous Integration Tools** — Resources on how to deploy software applications using Continuous Integration tools like Jenkins and TeamCity.
  - **Deployment via Jenkins Continuous Integration** — Resources on how to deploy software applications using Jenkins, a Continuous Integration tool.
  - **Deployment in Specific Environments via Continuous Integration Tools** — Resources on how to deploy software applications in specific environments such as Azure and OpenStack, using Continuous Integration tools like Jenkins and TeamCity.
- **Deployment Using Containers** — Resources on how to deploy software applications using container frameworks such as Docker and CoreOS.
- **Types of Software Deployments** — Resources on how to deploy complex software on different contexts, environments and stacks.
  - **Deployments in the SDLC** — Deploying software at different stages of the Software Development Lifecycle - development, testing and production.
    - **Deploy into Development Environment** — Resources offering guidelines on deploying software to a development environment (for use by software developers), development deployments in specific environments, and tools used for development deployments.
    - **Complete list of Tools for Deploying into Development Environment** — Resources offering guidelines on deploying software to a development environment (for use by software developers) with tools used for development deployments.
  - **Deploy into System Integration and User Acceptance Environments** — Resources offering guidelines on deploying software into system integration and user acceptance environments.
  - **Deploy into Production Environment** — Resources offering guidelines on deploying software to a live production environment, production deployments in specific environments, and examples of production deployment processes at real organizations.
    - **Deploy into Production in Specific Environments** — Resources offering guidelines on production deployments in specific environments like Windows, ASP.NET, Django and Heroku.
  - **Deploying Locally, Virtualized or on the Cloud** — Resources on how to deploy software to different computing models: local machines, virtualized machines or cloud instances.
    - **Local Application Deployment** — Resources on how to deploy complex applications locally, in different environments like Oracle, ASP.NET and Juju.
    - **Cloud Application Deployment** — Resources explaining how applications are deployed on IaaS, PaaS, private, public and hybrid clouds.
      - **Tools for Cloud Application Deployment** — Resources on tools for application deployment on IaaS, PaaS, private, public and hybrid clouds.
    - **Virtualized Application Deployment and Deployment Using Containers** — Resources explaining how to deploy applications in virtualized environments like VMware and Citrix, deploying with specific technologies like Docker, and tools used for virtualized deployments.
      - **Specific Technologies for Virtualized Application Deployment and Deployment Using Containers** — Resources explaining how to deploy applications in virtualized environments with specific technologies like Docker, VMware vSphere, Orca and more.
  - **Deployment by Type of Application** — Resources on how to deploy different types of applications, including web apps, mobile apps, and enterprise applications.
    - **Web Application Deployment** — Resources offering general
guidelines on web application deployments, deployments in specific environments like ASP.NET, Visual Studio and Drupal, tools and technologies used to deploy web apps.

- **Web Application Deployment in Specific Environments** — Resources offering general guidelines on web application deployments in specific environments like ASP.NET, Visual Studio and Drupal.
- **Web Application Deployment Tools** — A comprehensive list of tools used to deploy web apps, and general resources on how to deploy web applications with different technologies and tools.
- **Mobile Application Deployment** — Resources on how to deploy complex mobile applications.
- **Enterprise Application Deployment** — Resources on how to deploy enterprise applications.
- **Embedded Software Deployment** — Resources on how to deploy software embedded in hardware components.
- **Deployment by Stack** — Resources on how to deploy applications on common technology stacks such as J2EE, LAMP and OpenStack.
  - **J2EE Deployment** — Resources on how to deploy Java 2 Enterprise Edition (J2EE) applications.
  - **LAMP Deployment** — Resources explaining how to deploy the LAMP stack in general, on specific environments such as AWS and Azure, and using specific technologies such as Docker.
  - **OpenStack Deployment** — Resources explaining how to deploy applications on OpenStack, and tools used in OpenStack deployments.

- **Deployment Planning** — General resources on deployment planning, deployment in specific environments such as Geronimo, Oracle, WebSphere, and examples of deployment planning at real organizations.
  - **Examples of Deployment Planning** — General resources on deployment planning, including detailed examples of software deployment planning at real organizations.
  - **Software Deployment Checklist** — General resources on what a deployment checklist should contain, and specific checklists for general deployments, and for deploying in specific environments such as Google Cloud, Django and Drupal.
  - **Software Deployment Checklists for Specific Environments** — General resources on what a software deployment checklist should contain, and examples of checklists for deploying in specific environments such as Google Cloud, Django and Drupal.
  - **Deployment Plan Template** — Resources offering document templates that can be used to plan complex deployments, and examples of deployment templates used by real organizations.

**Gartner Magic Quadrant: Application Release Automation**

Gartner. Download the full report

**Suggest a Resource!**

Know an online resource which could be relevant for this wiki page? We're constantly updating our wiki and will be happy to review it!

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