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.

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Below we have compiled publicly available sources from around the world that present views on Software Deployment Checklist.

Perspectives on Software Deployment Checklist

Gartner Magic Quadrant: Application Release Automation

Gartner. Download the full report

- An Application Release Automation Checklist
  
  This checklist highlights the requirements for tools designed to help you on your path to ARA, and can serve to point out best practices you may want to consider adopting.

  Read the article on electric-cloud.com »
- What should be on your "Going Live Day" checklist?
  programmers.stackexchange.com
- Production Release Checklist
  stackoverflow.com

General Checklists

- Ultimate Checklist for App Deployment Success
  Deploying software releases is a mixture of planning, testing, late hours, and celebratory beers. This checklist is intended to be a guide to help improve how your team achieves this complicated and sometimes hairy task. It is important that operations be in the loop when it comes to planning any software deployment.

  Read the article on stackify.com »

- Launch Checklist
  Before you publish your apps on Google Play and distribute them to users, you need to get the apps ready, test them, and prepare your promotional materials. This page helps you understand the publishing process and get ready for a successful product launch on Google Play.

  Read the article on developer.android.com »
- General checklist before releasing software for small team
  programmers.stackexchange.com
- Agile Deployment: Checklist
  alexyoung.org
- Deployment checklist with project schedule and estimates
  Craig Borysowich
  it.toolbox.com
- Deployment Production Line Checklist
Specific Environments

  
  Read the article on cloud.google.com »

- **Adobe Flex - Deployment Checklist**
  
  The deployment checklist contains some common system configuration issues that customers have found when deploying Flex applications for production. It also contains troubleshooting tips to diagnose common deployment problems.
  
  Read the article on help.adobe.com »

- **ASP.NET - ASP.NET Deployment Checklist - Colorado State University**
  
  code.colostate.edu

See more Software Deployment Checklists for Specific Environments

Tools

- **ElectricFlow**
  
  ElectricFlow automates deployments to accelerate time to market, reduce delivery costs, and increase quality, reliability and traceability.
  
  Read the article on electric-cloud.com »

- **Octopus Deploy**
  
  Works with your build server to enable reliable, secure, automated releases of ASP.NET applications.
  
  Read the article on octopusdeploy.com »

- **Attunity Maestro**
  
  attunity.com
  
  Rapidly and easily manage large-scale data transmission processes. Coordinate multiple Big Data deployments tasks and data processes.

- **IBM UrbanCode Deploy**
**ibm.com**
Orchestrates and automates the deployment of applications, middleware configurations and database changes into development, test and production environments.

- **Go** [ThoughtWorks](https://go.cd)
  Go's manual triggers allow you to deploy any known good version of your application to wherever you like. This empowers QA teams with self-service environments, and increases reliability of pushing to production.

- **SaltStack** [saltstack.com](https://saltstack.com)
  Systems administrators, site reliability engineers and developers configure and manage modern data center infrastructure, applications and code.

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**Further Reading**

- **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 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 deployment.
  - **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.
  - **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 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 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.
  - **Deploying Locally, Virtualized or on the Cloud** — Resources on how to deploy software to different computing models: local machines, virtualized machines or cloud instances.
  - **Deployment by Type of Application** — Resources on how to deploy different types of applications, including web apps, mobile apps, and enterprise applications.
  - **Deployment by Stack** — Resources on how to deploy applications on common technology stacks such as J2EE, LAMP and OpenStack.

• **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.
  - **Deployment Plan Template** — Resources offering document templates that can be used to plan complex deployments, and examples of deployment templates used by real organizations.

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**Gartner Magic Quadrant: Application Release Automation**

[Download the full report](#)

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**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!

Submit a URL for Inclusion in the Wiki