**Agile methodology-** [**http://tryqa.com/what-is-agile-methodology-examples-when-to-use-it-advantages-and-disadvantages/**](http://tryqa.com/what-is-agile-methodology-examples-when-to-use-it-advantages-and-disadvantages/)

**USER Stories-** [**http://mohamedradwan.com/2017/09/18/user-stories-in-agile-world//**](http://mohamedradwan.com/2017/09/18/user-stories-in-agile-world//)

**GitHub-** GitHub has emerged as the world's [biggest collection of open source software](https://www.wired.com/2015/03/github-conquered-google-microsoft-everyone-else/). Beyond providing installers for countless applications, GitHub hosts the source code for millions of projects through the distribution and management of computer code.

**Pipeline-Group of task that runs concurrently either private or hosted.**

**Agent-A software that runs the tasks either private or hosted.**

**If we have more agents then we can run tasks parallel.**

**Environment-the conditions in which our build or artifacts should run.**

Phases**-**

you can organize your build or deployment process into phases. Every build or deployment process has at least one phase.

A phase is a series of tasks that run sequentially on the same target. At design time in your phase you specify a series of tasks that you want to run on a common target. At run time (when either the build or release process is triggered), each phase is dispatched as one or more jobs to its target.

In a build process, the most common target is an agent. The other kind of target is the VSTS [server](https://docs.microsoft.com/en-us/vsts/pipelines/process/server-phases?view=vsts).

In a deployment process, the target can be either an agent, a [deployment group](https://docs.microsoft.com/en-us/vsts/pipelines/process/deployment-group-phases?view=vsts), or the server.

When the target is an agent, the tasks are run on the computer that hosts the agent.

## Enable continuous integration (CI)-

1. Select the **Triggers** tab.
2. Enable **Continuous integration**.

A continuous integration trigger on a build pipeline indicates that the system should automatically queue a new build whenever a code change is committed. You can make the trigger more general or more specific, and also schedule your build (for example, on a nightly basis). See [Build triggers](https://docs.microsoft.com/en-us/vsts/pipelines/build/triggers?view=vsts).

Slots- slots are logical grouping of resources.

How the https work-<https://tiptopsecurity.com/how-does-https-work-rsa-encryption-explained/>

Different Types of Enviroment-<https://en.wikipedia.org/wiki/Deployment_environment>

Cloud[- https://azure.microsoft.com/en-in/overview/what-is-cloud-computing](https://azure.microsoft.com/en-in/overview/what-is-cloud-computing/)/

Devops- <https://docs.microsoft.com/en-us/azure/devops/learn/what-is-devops>

1. PAAS (Platform as a Service) is more popular among developers as they can put all their concentration on developing their apps and leave the rest of management and execution to the service provider. Many service providers also offer the flexibility to increase/decrease the CPU power depending upon the traffic loads giving developers cost effective and easy & effortless management.
2. SAAS (Software as a service) is more popular among with consumers, who bother about using the application such as email, social networking etc
3. IAAS (Infrastructure as a service) is more popular among users into research and high computing areas.

**Powershell-**[**https://app.pluralsight.com/library/courses/powershell-intro/table-of-contents**](https://app.pluralsight.com/library/courses/powershell-intro/table-of-contents)

Azure arm Template-<https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-authoring-templates>

Azure cosmos DB: <https://docs.microsoft.com/en-us/azure/cosmos-db/introduction>

Azure Storage-

1. File storage
2. Blob storage
3. Table storage-Structured Data.
4. queue storage-

When to use file storage and when blob storage-

<https://docs.microsoft.com/en-us/azure/storage/common/storage-decide-blobs-files-disks>

**Azure Virtual Machine-**

**Azure App Service Plan-**

**Azure Web App-Deployed a Web app using pipelining.**

**Application Insights-**

**Logic apps-Created logic app using designer view which sends a mail whenever a Microsoft record is created in salesforce.**

**Pluralsight Links:**

1. [**https://app.pluralsight.com/library/courses/powershell-intro**](https://app.pluralsight.com/library/courses/powershell-intro)
2. [**https://app.pluralsight.com/library/courses/tfs-visual-studio-2017-managing-builds**](https://app.pluralsight.com/library/courses/tfs-visual-studio-2017-managing-builds)
3. [**https://app.pluralsight.com/library/courses/tfs-visual-studio-2017-release-management**](https://app.pluralsight.com/library/courses/tfs-visual-studio-2017-release-management)
4. [**https://app.pluralsight.com/library/courses/cloud-computing-fundamentals**](https://app.pluralsight.com/library/courses/cloud-computing-fundamentals)
5. [**https://app.pluralsight.com/library/courses/cloud-computing-big-picture**](https://app.pluralsight.com/library/courses/cloud-computing-big-picture)
6. [**https://app.pluralsight.com/library/courses/microsoft-azure-big-picture**](https://app.pluralsight.com/library/courses/microsoft-azure-big-picture)
7. [**https://app.pluralsight.com/library/courses/introduction-azure-app-services**](https://app.pluralsight.com/library/courses/introduction-azure-app-services)
8. [**https://app.pluralsight.com/library/courses/microsoft-azure-resource-manager-mastering**](https://app.pluralsight.com/library/courses/microsoft-azure-resource-manager-mastering)
9. [**https://app.pluralsight.com/library/courses/docker-containers-big-picture**](https://app.pluralsight.com/library/courses/docker-containers-big-picture)
10. [**https://app.pluralsight.com/library/courses/comptia-network-plus-networking-concepts**](https://app.pluralsight.com/library/courses/comptia-network-plus-networking-concepts)

**To obtain Azure Pass-**

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