Minimum Experience on Application Support 4 to 5 Year\'s  
• Good Experience on Windows Application Support  
• Tools required with good experience (UCD , Artifactory , Bamboo , Got , JIRA , Confluence )  
• Scripting ( Windows Batch )  
• Good Exposure on Agile  
• Good Experience on Control-M & Connect Direct  
• Good Communication Skills  
• Good Experience on trouble shooting  
• Good Exposure on Oracle SQL Database and Oracle 19c.  
• Good Experience on DevOps  
• Good Knowledge or Experience on OpenShift  
• Resource should have minimum knowledge on LoanIQ Products.

**BitBucket**

* It’s useful to store the developer code
* Bitbucket is a Git-based source code repository
* Bitbucket offers both commercial plans and free accounts with an unlimited number of private repositories.
* Bitbucket is a system for hosting version control repositories
* Bitbucket makes tools that use Git
* Bitbucket is written in Python

**BitBucket Features**

* Bitbucket integrates very well with JIRA, originally built as a bug tracker, but is so flexible now it can be used for: bug tracking, issue tracking, service desks and project management.
* Pull requests and code reviews
* Unlimited private repos
* Branch comparison and commit history
* Bitbucket Mac and Windows client called SourceTree; Android app called BitBeaker
* Bitbucket for Enterprises, called Stash
* Integration with tools like Jira, Crucible, Bamboo, Jenkins, HipChat
* Built-in continuous delivery, issue tracking and wikis.
* Bitbucket Snippets allow you to create and manage multi-file snippets of all kinds.
* Third-party integrations allow you to integrate Bitbucket into several facets of your existing workflow, making the complete development process much more efficient.
* Bitbucket supports Git Large File Storage (LFS) which means shorter clone and fetch times for those working with large files.

**BitBucket Vs Github**

* most basic difference between GitHub and Bitbucket, it is that GitHub is focused around public code and Bitbucket is for private.
* GitHub has a huge open-source community and Bitbucket tends to have mostly enterprise and business users.

**Team City**

* Team City is a tool developed by JetBrains to manage different builds of projects and perform continuous integration and continuous deployment.
* It’s not open source it provides a free version with limited abilities
* When we installed team city its comes pre-bundled with the most widely used dependencies (Like maven, ant, git etc.. that you required)

How It’s Work:

When developer pushes code🡪Server🡪TeamCity🡪Deploys if builds are successful

Every build even if it’s successful or not, comprehensive report is created which is then provided to the developer and the admin.

If any build errors or lot of bugs then teamcity automatically identifies those who are responsible

It’s also allow install extra plugins that are not provided with the teamcity, Install it externally and then use it as a plugin inside teamcity so it allows for extensive configuration

Team City Installation:

Install Centos in AWS🡪

TeamCity is used **to build and test software products in an automated manner**. It provides rapid feedback on every code change, reduces code integration problems, and leads to more effective teamwork. Many popular games, websites, banking systems, and all of JetBrains products are built with TeamCity.

**TeamCity from JetBrains is a popular continuous integration server that supports a variety of different version control systems and build runners**. Octopus Deploy and TeamCity can work together to make automated, continuous delivery easy.

TeamCity builds the code and runs tests, while Octopus takes care of: Distributing applications to all the remote machines, securely. Environment-specific configuration, like connection strings. Configuring IIS sites and installing Windows Services.

**TeamCity is a CI server written in Java**. It allows developers to integrate, code, and is easier to configure with simple steps

Octopus Deploy is an automated deployment and release management server. It is designed **to simplify deployment of ASP.NET applications Windows Services and databases**.

Jenkins is an open source continuous integration tool, while TeamCity is a proprietary offering from JetBrains. **TeamCity is easier to configure and more straightforward to use, while Jenkins has a rich plugin ecosystem and integrations**.

**004 Team City Project:**

A project in TeamCity is **a collection of build configurations**. A TeamCity project can correspond to a software project, a specific version/release of a project or any other logical group of the build configurations. The project has a name, an ID, and an optional description

**005 Create Pipeline:**

Import Projects🡪Configure Snapshot Dependency🡪Configure Artifact Dependency🡪Run Simple Chain🡪Configure Trigger and Checkout Rules🡪Add VCS Trigger🡪Restrict Checkout Scope🡪Complete Chain with Tests🡪Takeaway

Go to **Administration | Projects** and click **Create project**.

Open the **Dependencies** settings tab (you might need to click **Show more** to display this item) and click **Add new snapshot dependency**.

Open the **Dependencies** settings tab and click **Add new artifact dependency**.

TodoImage build with the **Run** button

Open the **Triggers** page and click **Add new trigger**.

Opposite our only VCS root, click **Edit checkout rules**.

A build chain is a sequence of builds connected with snapshot dependencies. A snapshot corresponds to a certain commit in the source code.

**Jfrog Artifactory**

Artifactory is a repository manager created by [JFrog](https://www.jfrog.com/). A repository manager is a dedicated server application designed to manage binary components for the application that we build.

Improve build stability since you are less dependent on external repositories.

**UCD**

UCD uses a distributed server agent model, It will communicate with the agents on your target systems. These agents are responsible for automating the deployment processes.

UCD can do code put into the deploy folder.

**Jira Software**

* Jira Software is a software development tool that gives teams the power to release great software early and often
* Plan the big picture, track the details, and keep everyone in the loop.
* Using customizable workflows and best-in-class integrations, teams from startup to enterprise can use Jira Software to ship with confidence and speed.
* Select the Atlassian switcher to switch between products.
* Jira connects to the tools you use everyday making it easier for you to get more done. (Guthub, Google Sheets, Gitlab, Jenkins, etc..)
* D

Tools Details: Login🡪Create a project🡪Planning (🡪Roadmap🡪 Create Epic(What needs to be done) 🡪Backlog 🡪Board 🡪 Assign 🡪Export🡪