**Application Deployment**

**Application:** Application instance represents a deployed application within IXI. By design, an application is nothing but a packet receiver component within server; it is mandatory for an application to have a unique Jabber ID. Jabber ID is used to route user packets to a component within IXI.

Configurations for deployed applications within stringflow are maintained in a file - **deploy.config**

**deploy.config**: For an application to get deployed when the server starts, it must be specified in deploy.config as follows:

ixi.deployed.application=abs.ixi.server.app.Application

Application is the default implementation which offers basic ability to deploy/run an application within **stringflow**. Developers can choose to override the Application behaviour in certain cases to tweak the default behaviour.

Following are the mandatory information which deploy.config must capture for an application:-

* Application Name
* Node Id (Jabber Id)
* Fully qualified Application class name (if overridden)
* Base URI
* List of Appfronts
* URI mapping for each Appfront

**Deployed Application Directory structure:** A application deployed with server will follow a predefined directory structure. The directory structure helps server discover the deployed application and bring it up in the memory.

Deployed Application MUST have following directory structure-

deploy

🡪Application Root

* classes
* conf
* libs
* deploy.config/deploy.xml

**Deployment Process:** As part of deployment, server scans through the deploy directory and loads application instances into memory. This is done by the application deployer which is triggered as part of server start sequence. During deployment, the Deployer scans through the **deploy.config** file for each application and instantiate Application instance.

For an application to be deployed within server, following information is mandatory:-

* Application Name
* Jabber ID
* List of Appfronts
* Application URI
* URI segment for each Appfront