A multi-node container platform for deploying and managing AdroitLogic UltraESB-X

Easily deploy any number of ESB instances on the Integration Platform with just a few mouse clicks.

Deploy UltraESB on private and public cloud based containers

Deploy your integration flows on your own infrastructure or on a cloud based containerized environment tailored for your performance, cost and complexity demands.

Utilizing the power of containers

ESBs in the platform are spawned as lightweight Docker containers, providing complete isolation from the resource and data perspective with minimal resource footprint for management activities.

Support for multiple container orchestration platforms

Ability to integrate with Kubernetes, OpenShift and EC2 Container Service (ECS) to provide container scheduling.

Seamless integration with UltraStudio

Develop and test your integration flows using UltraStudio and deploy them directly to IPS from your development environment.
Configuration Server
Provides configurations, including projects, resources and identity information, to newly spawned ESB instances within the cluster

Datastore
Database (MySQL DB, Oracle DB or Amazon RDS) to store platform metadata with logs of each spawned ESB and a statistics collector (Elasticsearch) to store statistics of ESB instances

Management Dashboard
Web based Management Dashboard to control and monitor IPS allowing users to create clusters, manage and deploy projects, monitor health of deployments, analyze logs and observe statistics

Container Orchestration Framework
Schedule and manage UltraESB Docker containers within worker machines: IPS currently supports Kubernetes, OpenShift and ECS
Delivering a smooth and robust integration experience for your enterprise

- **Self-healing clusters**
  Deploy the required number of ESB instances within IPS, and the framework takes care of maintaining the desired count in case of instance failures.

- **Simplified project deployment**
  Upload required projects through the dashboard and select the desired target clusters, and IPS will deploy them uniformly throughout the clusters.

- **Minimal time to tackle & resolve issues**
  IPS provides a comprehensive set of monitors to observe the health of ESB clusters and platform components. Persisted and real-time logs of each ESB instance can be viewed through the dashboard, helping to tackle issues easily.

- **Affinity deployment**
  Deploy ESBs in a preferred worker machine or in a machine group of the platform.

- **Statistics**
  Detailed real-time statistics are made available for each ESB instance and cluster, in different perspectives such as resource utilization and messaging streams.

- **Automatic replication**
  Scale ESB clusters with a few mouse clicks, in a matter of seconds. IPS takes the responsibility of replicating instances with identical configurations.

- **Zero-downtime horizontal scalability**
  Attach/detach computational resources (physical or virtual machines) to/from the platform without interrupting the functionality of already running services. ESBs deployed on detached instances are automatically rescheduled on attached instances by the framework.

- **Multi-zone deployment**
  Specify your Primary Data Center (PDC) and Secondary Data Center (SDC), and IPS will give high priority to PDC while treating SDC as a backup resource.

- **Governance**
  IPS offers a fine-grained permission model to manage accessibility to resources and services, through different roles in your organization.