

Boomi →

Basic Concepts



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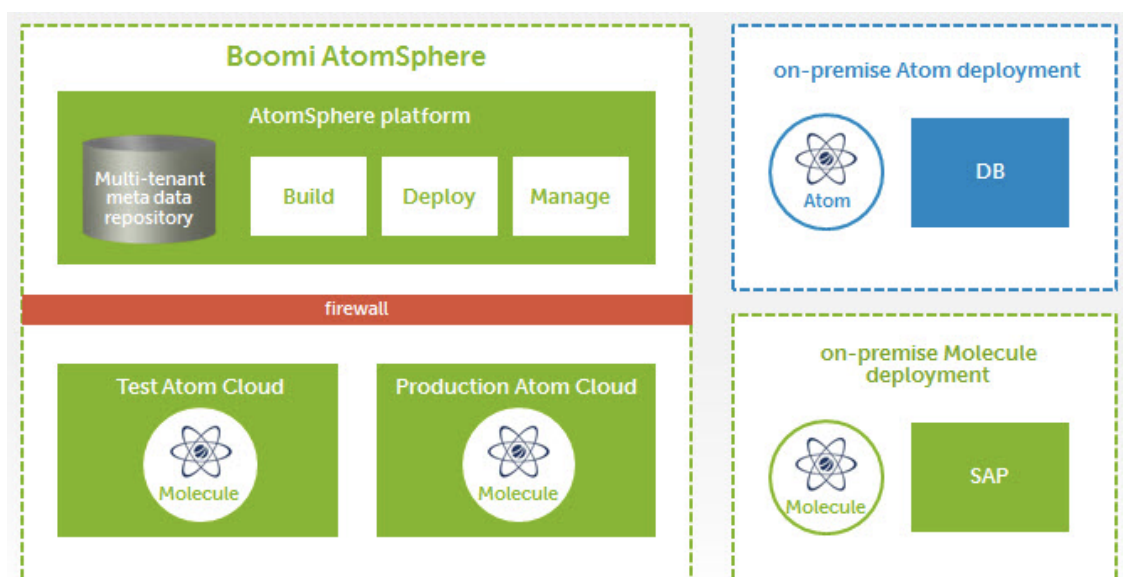
CloudBlue.

Before starting to work with the Boomi AtomSphere platform, it is important to understand the general terminology and concepts of this platform.

Atoms, Molecules, and Atom Clouds

AtomSphere provides a cloud-based integration platform. It supports two deployment models: an in-the-cloud deployment model that is used when all the integration endpoints are cloud-based and an on-premise deployment model that is used when any of the integration endpoints are within a corporate network.

- If you use the in-the-cloud model, you can deploy your integration processes via a Boomi **Atom Cloud**.
- In case your organization requires the on-premise model, AtomSphere allows you to create your **Atom**. This represents a lightweight Java application that is deployed on a host with the Internet access.
- If you use the on-premise model and want to have a highly available, load-balanced solution, in case you want to change your Atom's processing time or volume handling, or if you are worried that your Atom's processes may not run because of a computer outage, consider using a **Molecule**. It is an enterprise-grade version of an Atom that executes integration processes and that can be deployed on multiple servers.
- If you need a multi-tenant solution to accommodate multiple customer accounts, consider setting up your own *private Atom Cloud*.



Atoms, Molecules, and Atom Clouds use the same basic technology. Note, however, that to differentiate these terms. A *Molecule* represents an *Atom* with multiple nodes. An *Atom Cloud* is a *Molecule* that is available to multiple tenants.

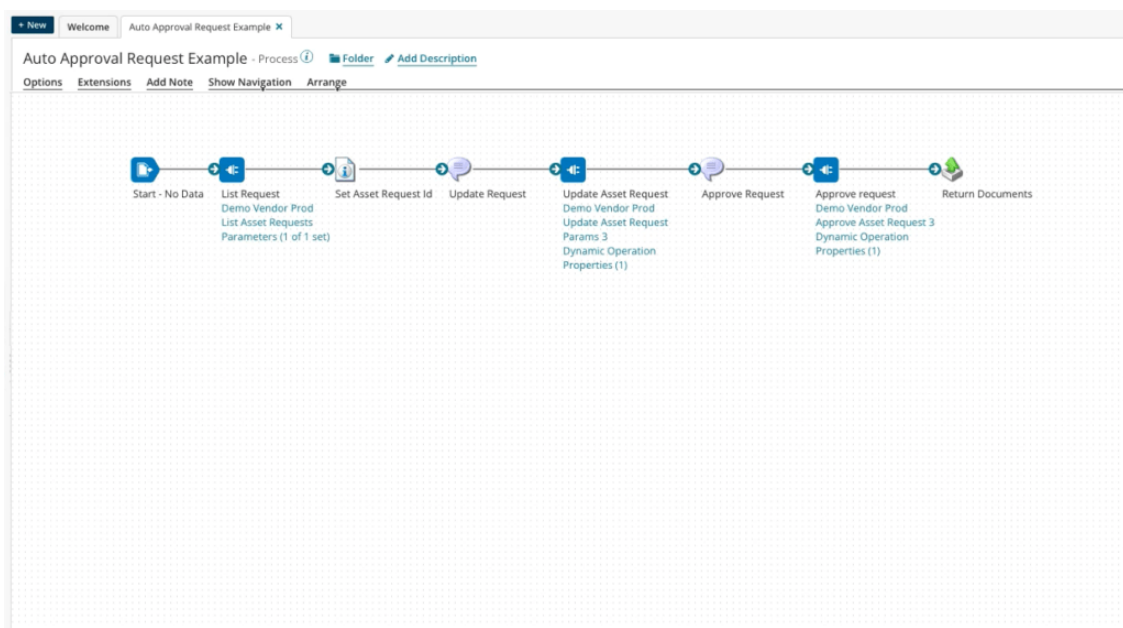
Integration Lifecycle

The integration lifecycle on the AtomSphere platform consists of the three steps that are introduced and described below:



Build

By using the AtomSphere library of provided connectors and maps, it is possible to easily design your integration and required business processes. Thereafter, you can load your configuration into a lightweight, a dynamic run-time application that is called an *Atom*.



Deploy

Deploy your *Atoms* to the AtomSphere for SaaS, PaaS, or Cloud integration. You can also deploy your applications on-premise and use your firewall to protect your data.

Create Packaged Components: Add Details

Optionally apply details to the newest version of your packaged components. When you have multiple packaged components selected at one time, the details you specify are applied in bulk to all selected components, though each selected component results in its own individual version.

Component Name	Latest Version	Latest Notes	Action
Auto Approval	—	—	View Included Components

Version for all

2.3.0

If you do not supply a name, a version number is automatically generated for each individual packaged component, and increments based on the latest version number.

Package Notes for All

This is an auto-approval workflow that fills the parameters and approves the asset request.

3911 characters remaining.

Sharing

☒ Not Allowed

☐ Allowed with Sub-Accounts

This setting is ignored for components that cannot be shared.

Cancel

Back: Select Components

Create Packaged Component (1)

Manage

By using a feature-rich web-based dashboard, you can monitor and maintain the status of all your deployed *Atoms*, integrations processes, and business partners, regardless of the location.

