

## SAP Integration Made Easy

**SAP® Certified**  
Integration with SAP NetWeaver®

Dell Boomi AtomSphere® allows SAP customers to exploit all the advantages of a pure cloud integration platform that delivers enterprise-class integration in a fraction of the time, cost and complexity of conventional integration products and appliances. With a SAP certified connector to support current releases of SAP Business Suite solutions to releases such as SAP R/3 4.5, Dell Boomi allows organizations to incrementally implement and integrate cloud computing and SaaS applications, while complementing existing NetWeaver investments. AtomSphere was built from the ground up to uniquely handle the integration needs of the enterprise as they adopt and implement their cloud strategy.

### Open-Platform Approach

AtomSphere supports any combination of SaaS, Cloud, and On-Premise applications with integration processes that can be deployed securely behind the firewall or just as securely in the Cloud. Through AtomSphere, large enterprises can now tap into the industry's largest open network of SaaS, Cloud and On-Premise applications with unprecedented ease. And with AtomSphere's free connector SDK, enterprises can easily connect their own in-house applications and leverage existing SOA infrastructure using their own private and secure AtomSphere account.

### Enterprise-Class Features

AtomSphere features Molecules, a high-performance, high-availability version of Dell Boomi's Atom% runtime engine, providing fault tolerance and self-healing capabilities, along with intelligent load balancing of integration processes.

Other features in Dell Boomi AtomSphere include dedicated environments for test and production, reporting of deployments, revision histories and rollbacks, and centralized management and monitoring.

### High Availability

Dell Boomi provides redundancy at every layer of our platform to ensure a fast recovery in the event of any type of hardware failure. All data is also securely backed up offsite for the unlikely event of a system-wide failure.

### Enterprise Performance

One of the many benefits of a cloud-based integration platform is the ability to handle the smallest integration requirements simultaneously with very complex integration demands. For the most demanding integration requirements, and those that affect business-critical processes, AtomSphere offers essential Enterprise functionality that improves testing, deployment, and scalability:

**Environments** — AtomSphere offers separate environment for dedicated and advanced testing requirements versus the live deployment and "production" environment.

**Scalability** — depending on the integration scenario, the AtomSphere platform is capable of handling throughput of 1 million records per hour per Atom.

**Molecules** — an enterprise-grade version of Boomi's patent-pending Atom technology that can be deployed across multiple physical servers to enhance load balancing and ensure high-availability for mission critical integration processes.

## Unique Distributed Architecture

The innovation that defines a true cloud platform is a multi-tenant architecture, in which all customers share a single, common infrastructure and code base that is centrally maintained. As large enterprises begin centralizing control and governance of all SaaS applications running across the various lines of business, the integration must be centralized as well. What complicates this need is the fact that not only is the integration between SaaS and on-premise applications, but applications are also being run inside cloud infrastructure, such as Amazon EC2, as well. With Dell Boomi AtomSphere, the build, deploy, and manage steps are all performed centrally via Dell Boomi's integration cloud, however the runtime engine that powers the integrations, the Dell Boomi Atom, can run anywhere, enabling these multi-network, multi-cloud applications to be integrated in an efficient and scalable manner.

### Centralized Development

- Develop all integrations in a central repository, fostering component re-use and minimization of re-work
- Enforce IT standards and best practices by setting up sample/reference processes and centralized/shared components
- Foster natural collaboration by teams located across the world via one shared centralized development environment

### Centralized & Automated Deployment

- Access audit trail of the version, location, administrator and reason for any changes made to the integration
- Setup as many environments as needed for Test, Stage, Production, and store settings such as application access credentials with their corresponding environment

### Centralized Management

- Enhance visibility and control over data as part of your overall cloud strategy
- Ensure that you have visibility and complete governance over what is processing your data and how and eliminate the need to know which integration stack is powering which integration because all AtomSphere integrations are managed from a single, centralized dashboard

## High Availability and Load Balancing

To accommodate the needs of larger enterprises, Dell Boomi provides users with the ability to create a cluster of Atoms across large numbers of physical or virtual machines on a network. Based on the same technology run by Boomi in our own cloud deployment, the cluster pools and isolates concurrent integration processes into distinct java virtual machines (JVM). This approach addresses highly scalable and fault tolerant integration requirements. Nodes can be added/removed from this cluster without impacting production processes. The architecture is completely multi-tenant, including the security and performance requirements to ensure that processes are properly isolated from each other.

### Processing Large Data Volumes

- Accommodate the processing of large volumes of data (hundreds of gigabytes) by providing advanced configuration of Dell Boomi's Molecule technology to enable parallel processing of data across multiple JVMs
- Maximize scalability and efficiency of data processing by automating large data sets to be read in, automatically split up and send down parallel paths, each spawning its own JVM

## Firewall & Data Security

As your data transcends multiple networks and clouds, AtomSphere was designed with three core principles in mind:

1. Keep your firewall closed to inbound traffic
2. No data leaves your LAN without being encrypted using industry-standard security technologies
3. Unless you explicitly choose to run your integrations in Dell Boomi's Atom Cloud, your data never enters boomi's data center, only reporting on the status of the integration and any error messages

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### For More Information

Contact your account executive to learn more about Dell Boomi, or visit [www.boomi.com](http://www.boomi.com).

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