



Boomi

Professional Developer

Core Competencies: Overview *

At Dell Boomi, we want all of our users to develop core competencies in AtomSphere, which we believe lead to sustained success. Our certified Professional Developers are able to:

- Navigate the AtomSphere UI
- Work with Boomi Documents
- Configure AtomSphere Connectors (Connection and Operation components)
- Design complex integration processes to implement advanced logic and process data
- Design and deploy event-based, web service integration processes
- Enable administration features for logging and reporting
- Deploy integration processes to environments
- Debug and troubleshoot integration processes
- Translate business scenario into AtomSphere integration process ***(Details on page 2)**

To enable developers to acquire these core competencies, Boomi offers a comprehensive Professional Developer Certification Path. This includes our Professional Developer Course Sequence, Certification Exam, and two complimentary Elective Courses.

Course Sequence

- **Boomi Essentials.** Foundational training in our Shapes, UI and information critical to understanding the power of the Dell Boomi Platform. Available only online as On-Demand training. Visit the Boomi website (<https://boomi.com/services/training/>) and sign up via the Free Training Banner.
- **Developer 1.** Training in SaaS integration, the development life cycle, document flow, document/process properties, and basic administration tools.
- **Developer 2.** Training in web services, advanced logic, document caching, and error handling.
- **Developer 3.** Training in event-based integration, best practices/techniques, and common integration scenarios.

Certification Exam

To assess your understanding of the core competencies, we offer a Professional Developer Certification Exam comprised of the following sections:

- Practice Section
- General Knowledge Section (75 questions)
- Practical Section: Integration Troubleshooting (25 questions)
- Practical Sections: Build from Scratch (15 questions)

Elective Courses

To offer a breadth of experience with Boomi's unified platform, certified Professional Developers receive complimentary enrollment in one other course. Choose from EDI, MDM, and Flow.

Core Competencies: *Details*

Navigate the AtomSphere UI

- Build, Deploy, and Manage Tabs
- Process Canvas
- Component Explorer
- Process Library
- Help and Support

Work with Boomi Documents

- Document Types
- Document Flow
- Document Properties

Configure AtomSphere Connectors

- FTP
- Disk
- Database
- Mail
- Salesforce

Design complex integration processes to implement advanced logic and process data

- Create data Maps to transform data from one format to another: Boomi Suggest
- Create user defined map functions
- Add connector calls to maps
- Execution shapes: Set Properties, Message, Notify, Program Command, Process Call, Process Route, Data Process
- Logic shapes: Branch, Route, Decision, Exception, Stop, Return Documents, Business Rules, Try/Catch
- Components: Profiles, Process Properties, Document Cache

Design and deploy event-based, web service integrations

- Architectural considerations
- Boomi as web services client
- Web services concepts
- Boomi as web services endpoint
- Reporting: dashboards
- Shared web server settings
- Web services tools
- API Management overview

Enable administration features for logging and reporting

- Process Extensions: define certain configuration settings within your process to be specified at deploy time instead of build time
- Notify shape: build custom execution logs and/ or send customized notification messages to your subscribed email alerts or RSS feed
- Exception shape: terminate the data flow and define custom error messages
- Email Alerts: manage email subscriptions specific to Dell Boomi AtomSphere
- RSS Feeds: subscribe to general and/or alert execution feeds for your account processes
- Document Tracking: define document- level tracked fields to help you research documents that are passed through connectors

Deploy integration processes to environments

- Understand the development lifecycle
- Define environments
- Setup atoms in the cloud
- Automate and schedule process executions
- Copy processes, maintain process versions

Debug and troubleshoot integration processes

- Read data at each shape in Test mode
- Exception shape: terminate the data flow and define custom error messages
- Try/Catch shape: capture process-level or document-level errors for documents that fail during a process execution.
- Enable strategies for error handling

Translate business scenarios into AtomSphere integration processes

- Understand tool options, techniques, and limitations
- Design and follow best practices for your development team
- Have a grasp of common integration scenarios

Contact Us

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Boomi Essentials

Foundational training in our Shapes, UI and information critical to understanding the power of the Dell Boomi Platform

DETAILED AGENDA

- Introductory Training: Integration Walkthrough
 - Introduction to AtomSphere
 - Disk and FTP Connectors
 - Introduction to shapes: Map, Branch, Set Properties
 - Deploying, Executing Processes and detaching from runtime
 - Process Reporting
- Help Options
 - Boomi Community
 - User Guide
 - Logging a Support Case



Developer 1

Developer 1- Training in SaaS integration, the development life cycle, document flow, document/process properties, and basic administration tools

Pre-requisites- Boomi Essentials

DETAILED AGENDA

Section 1

- **SaaS Training:** Integration Walkthrough.
 - Salesforce, Database, and Mail Connectors
 - Query Operations
 - Advanced Logic (Decision Shape)
 - Advanced Mapping and Functions
 - Messaging

Section 2

- **Admin Training for Developers**
 - Process Deployment and Scheduling
 - Atom Licensing, Attachment, and Management
 - Error Messaging and Alert Notifications
 - Process Deactivation and Atom Detachment
- **Development Life Cycle**
 - Overview of Development Life Cycle
 - Build Components and Reusability
 - Change Management
- **Properties**
 - Dynamic Process Properties
 - Dynamic Document Properties
 - Process Property Component
- **Document Flow**
 - Document Flow Overview and Concepts
 - Shape Types and Document Flow



Developer 2

Developer 2- Training in web services, advanced logic, document caching, and error handling

Pre-requisites- Boomi Essentials, Developer 1

DETAILED AGENDA

Section 1

- **Extension.** Learn how to define certain configuration settings within your process, such as connection information, to be specified at deployed time instead of build time.
- **REST.** Learn how to create a POST request for a generic RESTful web application using Boomi's HTTP Client Connector to send data in the request body
- **SOAP.** Learn how to integrate with any web-based or on premise application that exposes a SOAP web services interface.
- **Process Call.** Learn how to execute another process from within a process.

Section 2

- **Business Rules.** Learn how to implement advanced logic by checking multiple business rules to determine if a document should be accepted or rejected.
- **Document Caching.** Learn how to temporarily hold and index frequently used documents in the Atom while you perform multiple integrations between documents within an integration process.
- **Try/Catch.** Learn how to capture process-level or document-level errors for one or more documents that fail during an execution.
- **Error Handling.** Learn about error handling tools and techniques in Boomi.



Developer 3

Developer 3- Training in event-based integration, best practices/techniques, and common integration scenarios

Pre-requisites- Boomi Essentials, Developer 1, Developer 2

DETAILED AGENDA

- **Process Route.** Learn how to select an execution path dynamically at run time based on some value such as: document property, data profile, extension value, or trading partner.
- **Web Services.** Learn how Boomi AtomSphere can listen for requests from clients in real time through an embedded web server
- **API Management.** Learn how to enable an API publisher to expose versioned APIs for logical groups of APIs.
- **Boomi Best Practices.**
 - Development Framework
 - Deployment Framework