**webMethods 9.9 Certified ESB Developer**

It consists of about 60 multiple choice questions, across a range of ESB development topics. To pass the test and receive certification, you must score a 66% on the test within 120 minutes.

**Test Content**  
Individuals who successfully complete the webMethods Certified ESB Developer test will have demonstrated knowledge and skills associated with the following subject areas:

* General Integration Topics
  + Architecture, Infrastructure, Setup, Standards, etc.
* Service Development
  + Flow Services, Java Services, Pipeline, Flat Files, Debugging, Logging/Auditing
* Messaging
  + Messaging patterns (publish/subscribe, point to point), Topics, Queues, Channels,  webMethods Messaging, JMS
* Development Toolset
  + Designer, webMethods Monitor
* Integration Objects
  + Document Types, Services, Specifications, WEB Services, Triggers
* Adapters
  + Architecture, Adapter Services, Adapter notification
* webMethods Integration Workshop
* webMethods Advanced Integration Workshop

**webMethods 9.9 Certified ESB Administrator**

**Test Content**  
Individuals who successfully complete the webMethods Certified ESB Administrator test will have demonstrated knowledge and skills associated with the following subject areas:

* webMethods Overview
* Installing the ESB
* ESB Startup and Shutdown
* Update Manager
* Basic Configuration
* IS Packages
* IS Instance Management
* Logging and Auditing
* Securing the Infrastructure
* Universal Messaging (UM) – Architecture
* Managing webMethods Messaging and JMS Triggers
* Performance Tuning
* Troubleshooting Integration Server
* Day to Day Operations
* Version Control (Configuration and architecture of version control)
* Asset Build Environment
* Application Staging and Deployment
* Integration Server Clustering with Terracotta Server Array
* webMethods ESB Administration Workshop

**webMethods 9.9 Certified API Management Professional**

* Architecture
* SOA Governance Concepts
* Organization Model
* Asset Management in Business UI
* Design/Change Time Policies
* Lifecycle Management
* Asset Type Management
* Taxonomies
* Eclipse
* Reporting
* Federation
* Virtual Services
* Runtime Policies
* Consumer Registration
* API Portal Concepts
* Configuration of API-Portal
* API Portal Management
* Asset Management in API Portal
* 453-xx  SOA Governance with CentraSite
* 455-xx  SOA Runtime Governance with webMethods Mediator
* 456-xx  API Management with webMethods Platform

**webMethods 9.7 Certified BPM Developer**

* General webMethods and BPM Topics
  + Architecture, suite and ARIS interoperability, setup, etc.
* Common Software AG Designer
  + Perspectives, Views, Editors, etc.
* BPM Processes
  + Development, supported BPMN notation and syntax, process execution, debugging, build & upload, process logging, versioning, import/export, data mapping, etc.
* BPM User Tasks
  + User Task development, Usage of the Task Editor, MWS deployment, User Task execution and monitoring, User Task type administration, Mobile Task Integration (MTI)
* Integration Server and Messaging
  + Supplementing IS services, important packages, publishing documents (Subscription, JMS, EDA), BPM implementation layer, Process Engine administration
* My webMethods Server
  + MWS Monitor for processes and User Tasks, Task Engine administration, server environments, etc.
* Metadata
  + Handling of local metadata, shared process and task metadata, CentraSite Active interoperability
* webMethods Business Rules
  + Simple business rules, rule deployment, Rules Management Console in My webMethods
* Blaze Rules
  + Simple business rules, rule deployment, Rules Maintenance Applications in My webMethods
* Process Simulation
  + Creating and running simulations, simulation resources, embedded optimization
* Business Process Monitoring using webMethods Optimize for Process and Closed Loop Analytics (CLA)
  + Optimize components and startup, events, KPIs and dimensions, rules and alerts, process monitoring and improvement, prediction
* webMethods Integration Workshop
* webMethods BPM for Developers
* webMethods Optimize for Process