

# Certified Mercurial Version Control Professional VS-1116



# Certified Mercurial Version Control Professional

### Certification Code VS-1116

Vskills certification for Mercurial Version Control Professional assesses the candidate as per the company's need for versioning and version control of software development. The certification tests the candidates on various areas in installation, configuration and management of Mercurial, merging, pattern matching, sharing, using CGI, hooks, customizing output, Mercurial queues and extending Mercurial by extensions.

### Why should one take this certification?

This Course is intended for professionals and graduates wanting to excel in their chosen areas. It is also well suited for those who are already working and would like to take certification for further career progression.

Earning Vskills Mercurial Version Control Professional Certification can help candidate differentiate in today's competitive job market, broaden their employment opportunities by displaying their advanced skills, and result in higher earning potential.

## Who will benefit from taking this certification?

Job seekers looking to find employment in IT or software development departments of various companies, students generally wanting to improve their skill set and make their CV stronger and existing employees looking for a better role can prove their employers the value of their skills through this certification.

### Test Details

- **Duration:** 60 minutes
- No. of questions: 50
- Maximum marks: 50, Passing marks: 25 (50%)

There is no negative marking in this module.

### Fee Structure

Rs. 3,499/- (Excludes taxes)\*

\*Fees may change without prior notice, please refer http://www.vskills.in for updated fees

### Companies that hire Vskills Mercurial Version Control Professional

Mercurial Version Control Professionals are in great demand. Companies specializing in software development, software outsourcing or versioning are constantly hiring skilled Mercurial Version Control Professional. Various public and private companies also need Mercurial Version Control Professional for their IT or software development departments.

www.vskills.in

## Table of Contents

### 1. A Brief History of Revision Control

- 1.1 Why Revision Control? Why Mercurial?
- 1.2 This Book Is a Work in Progress
- 1.3 About the Examples in This Book
- 1.4 Trends in the Field
- 1.5 A Few Advantages of Distributed Revision Control
- 1.6 Why Choose Mercurial?
- 1.7 Mercurial Compared with Other Tools
- 1.8 Switching from another Tool to Mercurial
- 1.9 A Short History of Revision Control

### 2. A Tour of Mercurial: The Basics

- 2.1 Installing Mercurial on Your System
- 2.2 Getting Started
- 2.3 Working with a Repository
- 2.4 A Tour through History
- 2.5 All about Command Options
- 2.6 Making and Reviewing Changes
- 2.7 Recording Changes in a New Changeset
- 2.8 Sharing Changes
- 2.9 Starting a New Project

### 3. A Tour of Mercurial: Merging Work

- 3.1 Merging Streams of Work
- 3.2 Merging Conflicting Changes
- 3.3 Simplifying the Pull-Merge-Commit Sequence
- 3.4 Renaming, Copying, and Merging

### 4. Behind the Scenes

- 4.1 Mercurial's Historical Record
- 4.2 Safe, Efficient Storage
- 4.3 Revision History, Branching, and Merging
- 4.4 The Working Directory
- 4.5 Other Interesting Design Features

### 5. Mercurial in Daily Use

- 5.1 Telling Mercurial Which Files to Track
- 5.2 How to Stop Tracking a File
- 5.3 Copying Files
- 5.4 Renaming Files
- 5.5 Recovering from Mistakes
- 5.6 Dealing with Tricky Merges
- 5.7 More Useful Diffs

www.vskills.in

- 5.8 Which Files to Manage, and Which to Avoid
- 5.9 Backups and Mirroring

#### 6. Collaborating with Other People

- 6.1 Mercurial's Web Interface
- 6.2 Collaboration Models
- 6.3 The Technical Side of Sharing
- 6.4 Informal Sharing with hg serve
- 6.5 Using the Secure Shell Protocol
- 6.6 Serving Over HTTP Using CGI
- 6.7 System-Wide Configuration

#### 7. Filenames and Pattern Matching

- 7.1 Simple File Naming
- 7.2 Running Commands without Any Filenames
- 7.3 Telling You What's Going On
- 7.4 Using Patterns to Identify Files
- 7.5 Filtering Files
- 7.6 Permanently Ignoring Unwanted Files and Directories
- 7.7 Case Sensitivity

#### 8. Managing Releases and Branchy Development

- 8.1 Giving a Persistent Name to a Revision
- 8.2 The Flow of Changes: Big Picture versus Little Picture
- 8.3 Managing Big-Picture Branches in Repositories
- 8.4 Don't Repeat Yourself: Merging Across Branches
- 8.5 Naming Branches within One Repository
- 8.6 Dealing with Multiple Named Branches in a Repository
- 8.7 Branch Names and Merging
- 8.8 Branch Naming Is Generally Useful

#### 9. Finding and Fixing Mistakes

- 9.1 Erasing Local History
- 9.2 Reverting the Mistaken Change
- 9.3 Dealing with Committed Changes
- 9.4 Changes That Should Never Have Been
- 9.5 Finding the Source of a Bug
- 9.6 Tips for Finding Bugs Effectively

### 10. Handling Repository Events with Hooks

- 10.1 An Overview of Hooks in Mercurial
- 10.2 Hooks and Security
- 10.3 A Short Tutorial on Using Hooks
- 10.4 Writing Your Own Hooks
- 10.5 Some Hook Examples
- 10.6 Bundled Hooks

www.vskills.in

- 10.7 Information for Writers of Hooks
- 10.8 Hook Reference

### 11. Customizing the Output of Mercurial

- 11.1 Using Precanned Output Styles
- 11.2 Commands That Support Styles and Templates
- 11.3 The Basics of Templating
- 11.4 Common Template Keywords
- 11.5 Escape Sequences
- 11.6 Filtering Keywords to Change Their Results
- 11.7 From Templates to Styles
- 11.8 Style Files by Example

### 12. Managing Changes with Mercurial Queues

- 12.1 The Patch Management Problem
- 12.2 The Prehistory of Mercurial Queues
- 12.3 The Huge Advantage of MQ
- 12.4 Understanding Patches
- 12.5 Getting Started with Mercurial Queues
- 12.6 More about Patches
- 12.7 More on Patch Management
- 12.8 Getting the Best Performance Out of MQ
- 12.9 Updating Your Patches When the Underlying Code Changes
- 12.10 Identifying Patches
- 12.11 Useful Things to Know About
- 12.12 Managing Patches in a Repository
- 12.13 Third-Party Tools for Working with Patches
- 12.14 Good Ways to Work with Patches
- 12.15 MQ Cookbook
- 12.16 Differences between Quilt and MQ

## 13. Advanced Uses of Mercurial Queues

- 13.1 The Problem of Many Targets
- 13.2 Conditionally Applying Patches with Guards
- 13.3 Controlling the Guards on a Patch
- 13.4 Selecting the Guards to Use
- 13.5 MQ's Rules for Applying Patches
- 13.6 Trimming the Work Environment
- 13.7 Dividing Up the Series File
- 13.8 Maintaining the Patch Series
- 13.9 Useful Tips for Developing with MQ

## 14. Adding Functionality with Extensions

- 14.1 Improve Performance with the inotify Extension
- 14.2 Flexible Diff Support with the extdiff Extension
- 14.3 Cherry-Picking Changes with the transplant Extension

14.4 Sending Changes via Email with the patchbomb Extension

#### 15. Migrating to Mercurial

- 15.1 Importing History from another System
- 15.2 Migrating from Subversion
- 15.3 Useful Tips for Newcomers
- 15.4 Appendix Mercurial Queues Reference
- 15.5 MQ Command Reference
- 15.6 MQ File Reference

## 16. Installing Mercurial from Source

- 16.1 On a Unix-Like System
- 16.2 On Windows

## Sample Questions

#### 1. Which command is used to display the version in Mercurial?

- A. version
- **B.** hg version
- C. version hg
- D. None of the above

#### 2. Which command is used to display help on a specified command in Mercurial?

- A. help <command>
- B. hg help <command>
- C. help <command> hg
- **D**. None of the above

#### 3. How many heads a repository can contain?

- A. Not needed
- B. Only One
- C. More than one
- D. None of the above

### 4. Where does the Mercurial stores the metadata for the repository?

- A. .hg directory
- B. .meta directory
- C. .metadata directory
- D. None of the above

### 5. What is the name with which the '.hg' directory also referred as?

- A. Real repository
- B. Hidden repository
- C. Listed repository
- D. None of the above

Answers: 1 (B), 2 (B), 3 (C), 4 (A), 5 (A)

#### Certifications

#### Accounting, Banking and Finance – Certified AML-KYC Compliance Officer

- Certified Business Accountant Certified Commercial Banker Certified Foreign Exchange Professional
- Certified GAAP Accounting Standards Professional
   Certified Financial Risk Management Professional
- Certified Merger and Acquisition Analyst
- Certified Tally 9.0 Professional
   Certified Treasury Market Professional
   Certified Wealth Manager

🕨 Big Data - Certified Hadoop and Mapreduce Professional

Cloud Computing

#### - Certified Cloud Computing Professional

Design – Certified Interior Designer

#### Digital Media

- Certified Social Media Marketing Professional Certified Inbound Marketing Professional
 Certified Digital Marketing Master

#### Foreign Trade

- Certified Export Import (Foreign Trade) Professional

#### > Health, Nutrition and Well Being Certified Fitness Instructo

Hospitality

 Certified Restaurant Team Member (Hospitality)

#### Human Resources

Certified HR Compensation Manager Certified HR Stafffing Manager - Certified Human Resources Manager - Certified Performance Appraisal Manager

#### > Office Skills - Certified Data Entry Operator

- Certified Office Administrator

#### Project Management Certified Project Management Professional

- Real Estate - Certified Real Estate Consultant

## Marketing Certified Marketing Manager

#### > Quality

- Certified Six Sigma Green Belt Professional
- Certified Six Sigma Black Belt Professional
   Certified TQM Professional

#### Logistics & Supply Chain Management

- Certified International Logistics Professional Certified Logistics & SCM Professional
- Certified Purchase Manager
- Certified Supply Chain Management Professional

- Legal
   Certified IPR & Legal Manager

  - Certified Labour Law Analyst
     Certified Business Law Analyst
     Certified Corporate Law Analyst

#### > Information Technology

- Certified ASP.NET Programmer
   Certified Basic Network Support Professional
- Certified Business Intelligence Professional

- Certified Core Java Developer
   Certified E-commerce Professional
   Certified IT Support Professional
- Certified PHP Professional
   Certified Selenium Professional
   Certified SEO Professional
- Certified Software Quality Assurance Professional

#### Mobile Application Development – Certified Android Apps Developer

- Certified iPhone Apps Developer

#### Security

Certified Ethical Hacking and Security Professional
 Certified Network Security Professional

#### Management

Certified Corporate Goverance Professional
 Certified Corporate Social Responsibility Professional

#### Life Skills

 Certified Business Communication Specialist - Certified Public Relations Officer

#### Media

– Certified Advertising Manager - Certified Advertising Sales Professional

#### Sales, BPO

- Certified Sales Manager - Certified Telesales Executive

& many more job related certifications

Contact us at : **Vskills** 011-473 44 723 or info@vskills.in www.vskills.com