**IBM WebSphere Automation System Administration**

Description: 5300_IBMpos

**WA600 (Classroom)**



Course description

In this 1-day course, you learn how to configure WebSphere Automation to work with traditional WebSphere Application Server and Liberty environments, control access to the WebSphere Automation user interface (UI) and configure email notifications to be sent to a specified list of recipients. You also use WebSphere Automation to detect and view unresolved server vulnerabilities and take measures to resolve them.

The lab environment for this course uses the Red Hat Linux platform.

For information about other related courses, visit the IBM Training website:

http://www.ibm.com/training

General information

Delivery method

Classroom

Course level

ERC 1.0

Product and version

IBM WebSphere Automation for IBM Cloud Pak for Watson AIOps version 1.1.1

Audience

This course is intended for server administrators who need to ensure the security of WebSphere Application Server and Liberty installations by detecting unresolved security vulnerabilities that affect them. By using WebSphere Automation, administrators can more easily plan their response to security vulnerabilities and no longer need to manually evaluate security bulletins for relevance or applicability.

Learning objectives

After completing this course, you should be able to:

* Describe the features and benefits of using Web-Sphere Automation
* Describe WebSphere Automation architecture and components
* Describe the three basic roles for installing, configuring, and using WebSphere Automation
* Learn how to prepare the environment before installing WebSphere Automation
* Install WebSphere Automation and validate the installation
* Access the WebSphere Automation console
* Manage user access to the WebSphere Automation console
* Configure email notifications
* Register servers with WebSphere Automation
* Use the WebSphere Automation UI to view vulnerability status of servers

Prerequisites

Before taking this course, you should have:

* Working knowledge of WebSphere Application Server or Liberty system administration
* Familiarity with the OpenShift console and command-line interface (CLI)
* Experience using the Linux operating system

Duration

1 day

Skill level

Intermediate

Notes

This course is a new course

Course agenda

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| Course introduction  Duration: 15 minutes |

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| Unit 1. Introduction to WebSphere Automation  Duration: 30 minutes | |
| Overview | This unit introduces WebSphere Automation and describes its features, benefits, architecture and components. |
| Learning objectives | After completing this unit, you should be able to:   * Describe the features and benefits of using WebSphere Automation * Describe WebSphere Automation architecture and components * Describe the purpose of security bulletins * Describe the role of IBM Automation Foundation in WebSphere Automation |

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| Unit 2. Installing WebSphere Automation  Duration: 30 minutes | |
| Overview | This unit describes how to prepare your environment, and then install WebSphere Automation. |
| Learning objectives | After completing this unit, you should be able to:   * Describe the three basic roles for installing, configuring, and using WebSphere Automation * Learn how to prepare the environment before installing WebSphere Automation * Install WebSphere Automation and validate the installation * Access the WebSphere Automation console |

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| Exercise 1. Installing WebSphere Automation  Duration: 1 hour and 30 minutes | |
| Overview | In this exercise, you prepare your environment, and then install WebSphere Automation. |
| Learning objectives | After completing this exercise, you should be able to:   * Prepare the environment for installation * Use the OpenShift console to install WebSphere Automation * Validate the installation |

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| Unit 3. Configuring WebSphere Automation  Duration: 1 hour | |
| Overview | This unit describes how to configure WebSphere Automation to monitor servers for vulnerabilities and send email notifications to specified recipients. It also describes how to control access to the WebSphere Automation console. |
| Learning objectives | After completing this unit, you should be able to:   * Describe the three basic roles for installing, configuring, and using WebSphere Automation * Learn how to prepare the environment before installing WebSphere Automation * Install WebSphere Automation and validate the installation * Access the WebSphere Automation console |

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| Exercise 2. Configuring WebSphere Automation  Duration: 1 hour | |
| Overview | In this exercise, you set up WebSphere Automation by configuring user access and email notifications and register WebSphere Application Servers and WebSphere Liberty servers for vulnerability tracking. |
| Learning objectives | After completing this exercise, you should be able to:   * Authorize user access to the WebSphere Automation platform * Configure email to receive notifications about security vulnerabilities * Register WebSphere Application Servers and WebSphere Liberty servers to WebSphere Automation |

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| Unit 4. Using the WebSphere Automation user interface (UI)  Duration: 30 minutes | |
| Overview | This unit shows how to view vulnerability status information and security bulletins with the WebSphere Automation user interface. |
| Learning objectives | After completing this unit, you should be able to:   * Use the WebSphere Automation UI to view vulnerability status of servers * View security alerts * Generate a CSV vulnerability status report |

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| Exercise 3. Resolving server vulnerabilities  Duration: 30 minutes | |
| Overview | This exercise demonstrates how to review CVEs or security bulletins, and then apply the relevant iFix to a server to resolve the vulnerability. |
| Learning objectives | After completing this exercise, you should be able to:   * View the vulnerability status of servers in the WebSphere Automation console. * Review security bulletins on the IBM Support website. * Apply iFixes to traditional WebSphere and WebSphere Liberty servers to resolve vulnerabilities. |

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| Unit 5. Course summary  Duration: 10 minutes | |
| Overview | This unit summarizes the course and provides information for future study. |
| Learning objectives | After completing this unit, you should be able to:   * Explain how the course met its learning objectives * Access the IBM Training website * Identify other IBM Training courses that are related to this topic * Locate appropriate resources for further study |

For more information

To learn more about this course and other related offerings, and to schedule training, visit **ibm.com/**training.

To learn more about validating your technical skills with IBM certification, visit **ibm.com**/certify.

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