Zabbix Certified Specialist (ZCS)

Day 1

- Intro: Functionality overview
- Intro: Key Principles of Development
- Intro: Important decisions
- Intro: Abbout Zabbix LLC
- Intro: Zabbix licensing model and commercial services
- Architecture: Zabbix components
- Architecture: Zabbix internal architecture
- Architecture: Zabbix proxy overview
- Architecture: Data flow
- Preparations: Network time protocol, Timezone, Firewall, SELinux
- Installation: Getting Zabbix
- Installation: Zabbix requirements
- Installation: Zabbix database installation
- Installation: Installing Zabbix server from packages
- Installation: Installing Zabbix frontend from packages
- Zabbix interface: Interface overview
- Zabbix interface: User types and permissions
- Zabbix interface: Using filters
- User profile: General settings
- User profile: Language, time zone and themes
- User profile: User media
- User profile: Messaging
- Definitions: List of terms used in Zabbix
- Definitions: Items and Triggers
- Definitions: Triggers, Events and Actions
- Definitions: Macros and Tags
- Configuration: Host groups, Nested Host groups
- Configuration: Working with host groups
- Configuration: Asigning permissions
- Configuration: Hosts
- Configuration: Host properties and entities
- Configuration: Host interfaces
- Configuration: Host interface status colors
- Configuration: Host interface availability
- Data Collection: Item types
- Data Collection: Item keys
- Data Collection: Item data types
- Data Collection: History and Trends
- Data Collection: Timeout
- Data Collection: Simple checks
- Data Collection: ICMP Checks

Day 2

- Zabbix Agent: Intro
- Zabbix Agent: Installation using packages
- Zabbix Agent: Zabbix agent 2 overview
- Zabbix Agent: Zabbix agent checks
- Zabbix Agent: Agent on Linux
- Zabbix Agent: Command line options
- Zabbix Agent: Agent on Windows
- Zabbix Agent: Passive checks
- Command-line utilities: zabbix_get
- Zabbix Agent: Active checks
- Zabbix Agent: Troubleshooting
- Zabbix Agent: User parameters
- Human readable data: Item units
- Human readable data: Value maps
- Update intervals: Overview
- Update intervals: Flexible and Scheduling
- Update intervals: Forcible check
- Preprocessing: Overview
- Preprocessing: Error handling
- Preprocessing: Simple change and change per second
- Preprocessing: Using regular expressions
- Preprocessing: Discard unchanged values
- Data Collection: Not supported items
- Data Collection: Item testing
- Problem detection: Triggers
- Problem detection: Dynamic problem names
- Problem detection: Operational data
- Problem detection: Trigger expressions and functions
- Problem detection: Recovery expression
- Problem detection: Closing and acknowledging problems
- Problem detection: Problem displaying options
- Problem detection: Time based functions
- Problem detection: Trigger dependencies

Day 3

- Templates: Template properties
- Templates: Template linking
- Templates: Multiple template levels
- Templates: Working with templates
- Mass update: Items
- Mass update: Templates and hosts
- Data collection: Zabbix sender
- Data collection: SSH checks

- Data collection: Telnet checks
- Dependent items: Definition
- Dependent items: Master item setup
- Dependent items: Dependent item setup
- Dependent items: Multiple dependency levels
- Dependent items: Benefits
- Data collection: SNMP monitoring
- Data collection: SNMP interfaces
- Data collection: SNMP OIDs and MIBs
- Data collection: SNMP command-line utilities
- Data collection: SNMP troubleshooting
- Data collection: SNMP traps
- Data collection: IPMI monitoring
- Data collection: Calculated checks
- Data collection: Data aggregation
- Data collection: Log file monitoring overview
- Data collection: Log file monitoring items
- Data collection: Log monitoring details
- Data collection: HTTP agent
- Data collection: HTTP authentication parameters
- Data collection: Web scenarios
- Data collection: Web scenario steps

Day 4

- Automation: Autoregistration overview
- Automation: Network discovery overview
- Inventory: Overview
- Inventory: Inventory modes
- Inventory: Data collection
- Notifications: Media types
- Notifications: Message templates
- Notifications: User media setup
- Actions: Functionality
- Actions: Conditions
- Actions: Operations and steps
- Actions: Recovery and update operations
- Actions: Escalations
- Actions: Troubleshooting
- Actions: Internal actions
- IT Services: Overview
- IT Services: Problem and service tags
- IT Services: SLA and service actions
- Maintenance: Functionality
- Maintenance: Maintenance periods
- Maintenance: Using tags in maintenance

- Maintenance: Pause operations during maintenance
- Low-level discovery: Overview
- Low-level discovery: Workflow
- User groups: Overview
- User groups: Asigning permissions
- Users: Management
- Users: Password requirement settings
- Users: Permission system
- User roles: Overview
- Configuration: Import and Export
- Audit: Overview

Day 5

- Configuration: Real time data export
- Data visualization: Custom graphs
- Data visualization: Dynamic graph names
- Data visualization: Network maps
- Data visualization: Dashboards
- Data visualization: Dashboard widgets
- Reporting: Reporting services overview
- Reporting: Components and installation
- Administration: General settings
- Administration: Housekeeping settings
- Administration: Global regular expressions
- Performance: Health dashboard
- Performance: Data collectors
- Performance: Internal processes
- Performance: Internal caches
- Performance: Zabbix Queue
- Zabbix releases: LTS, major and minor versions
- Zabbix releases: Upgrade and compatibility
- Discussions: Q&A session