

Basic NetXMS course training agenda

The Basic NetXMS course covers everything one has to know to install, configure and maintain the NetXMS monitoring system. Your network administrators will learn about all the system's features and basic integration options.

1. Concepts and system overview

2. Server installation

- A. Prerequisites
- B. Database preparation
- C. Server installation
- D. Web UI installation

3. Server maintenance

- A. Start/stop
- B. Database consistency check
- C. Backups
- D. Basic troubleshooting

4. Management console

- A. Installation
- B. UI elements and concepts
- C. Web UI

5. Agent management

- A. Agent installation
- B. Security
- C. External parameters
- D. Centralized upgrade
- E. Actions

6. User management

- A. *Adding and removing users and groups*
- B. *Access rights*

7. Object management

- A. *Object hierarchy*
- B. *Statuses*
- C. *Access control*
- D. *Object creation and deletion*
- E. *Node communication settings*
- F. *Polling*

8. Data collection

- A. *Data sources*
- B. *DCI configuration*
- C. *Thresholds*
- D. *Transformation*
- E. *Performance tab*
- F. *Templates*
- G. *Charts*
- H. *DCI summary tables*

9. Notification channels

10. Event processing

- A. *Event processing policy*
- B. *Alarms, actions and notifications*
- C. *Working with event and alarm logs*

11. SNMP

- A. Working with SNMP devices
- B. SNMP trap processing
- C. MIB explorer

12. Network maps

13. Dashboards

- A. Working with dashboards
- B. Dashboard configuration
- C. Access control

Advanced NetXMS course training agenda

The Advanced NetXMS course goes deeper into data collection and event processing, as well as tackles network discovery and topology topics. The course is essential for business service providers and scattered network owners, who also rely on integrations with other systems.

14. Agent management

- A. External subagents (agent chaining)
- B. Centralized configuration
- C. Configuration policies
- D. Proxy configuration

15. User management

- A. RADIUS and LDAP integration

16. Object management

- A. Zones

17. Data collection

- A. Data sources - in depth
- B. Advanced DCI configuration

- C. *Scripted thresholds*
- D. *Transformation*
- E. *Templates automation*
- F. *Instance discovery*
- G. *Data collection proxy*
- H. *Agent cache mode*
- I. *Access control*

18. Notification channels

19. Event processing

- A. *Event processing policy - in depth*
- B. *Alarms, actions and notifications*
- C. *Escalation*

20. SNMP

- A. *Adding new MIBs*

21. Network discovery

- A. *Principles of operation*
- B. *Configuration*
- C. *Troubleshooting*

22. Network topology

- A. *How topology information collected*
- B. *Search for IP or MAC address*
- C. *IP routing*
- D. *Topology-based event correlation*

23. Dashboards

- A. *Dashboard configuration - complicated layouts and scripted elements*

24. Business services

- A. *Services and node links*
- B. *Service checks*

25. NXSL (built-in scripting)

- A. *Language basics*
- B. *Standard library*
- C. *Hooks and data transformation*
- D. *Typical usage patterns*

26. Log monitoring

27. Network service monitoring

28. Integration with other systems

29. Reporting

- A. *Reporting server installation and configuration*
- B. *Execution and scheduling*
- C. *Deployment of new or updated report definitions*
- D. *Introduction to designing new reports*

30. Migration from earlier major releases

- A. *Major differences between versions*
- B. *Preparing for migration*
- C. *Migration procedure*