Day 4

Agenda

Nagios

Selenium integration with Azure pipeline

Terraform integration with Azure pipeline

Ansible integration with Azure pipeline

Nagios

Comprehensive IT Infrastructure Monitoring

Provides monitoring of all mission-critical infrastructure components including applications, services, operating systems, network protocols, systems metrics, and network infrastructure. Hundreds of third-party addons provide for monitoring of virtually all in-house applications, services, and systems.

Performance

The powerful Nagios Core 4 monitoring engine provides users with the highest degree of monitoring server performance. High-efficiency worker processes allow for nearly limitless scalability and monitoring effectiveness.

Visibility

Provides a central view of your entire IT operations network and business processes. Powerful dashboards provide at-a-glance access to powerful monitoring information and third-party data. Views provide users with quick access to the information they find most useful.

Proactive Planning & Awareness

Automated, integrated trending and capacity planning graphs allow organizations to plan for infrastructure upgrades before outdated systems catch them by surprise. Alerts are sent to IT staff, business stakeholders, and end-users via email or mobile text messages, providing them with outage details so they can start resolving issues immediately.

Nagios

Customizability

A powerful GUI provides for customization of layout, design, and preferences on a per-user basis, giving your customers and team members the flexibility they want.

Ease of Use

Integrated web-based configuration interface lets admins hand out control of managing monitoring configuration, system settings, and more to end-users and team members easily. Configuration wizards guide users through the process of monitoring new devices, services, and applications – all without having to understand complex monitoring concepts.

Multi-Tenant Capabilities

Multi-user access to web interface allows stakeholders to view relevant infrastructure status. User-specific views ensure clients only see the infrastructure components they're authorized for. Advanced user management simplifies administration by allowing you to manage user accounts easily. Provision new user accounts with a few clicks and users automatically receive an email with their login credentials.
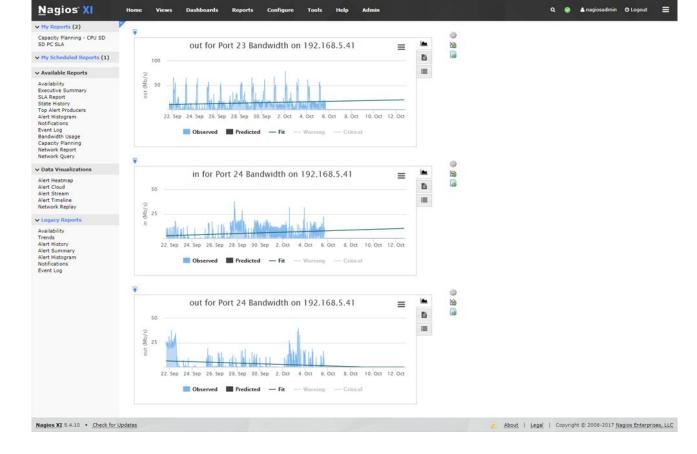
Extendable Architecture

Multiple APIs provide for simple integration with in-house and third-party applications. Thousands of community-developed addons extend monitoring and native alerting functionality. Custom interface and addon developments are available to tailor Nagios XI to meet your organization's exact needs. Request a Quickstart For Nagios XI

Advanced Graphs & More

Administrators can easily view network incidents and resolve them before they become major catastrophes.

Capacity Planning

Automated, integrated trending and capacity planning graphs allow organizations to plan for upgrades.

Quick View

Home Dashboard
Tactical Overview
Birdseye
Operations Center
Operations Screen
Open Service Problems
Open Host Problems
All Service Problems
All Host Problems
Network Outages

Details

Service Detail
Host Detail
Hostgroup Summary
Hostgroup Overview
Hostgroup Grid
Servicegroup Summary
Servicegroup Overview
Servicegroup Grid
BPI
Metrics

Graphs

Performance Graphs
Graph Explorer

Maps

BBmap
Google Map
Hypermap
Minemap
Nagvis
Network Status Map
Legacy Network Status Map

Incident Management

Latest Alerts
Acknowledgements
Scheduled Downtime
Mass Acknowledge
Recurring Downtime
Notifications

Monitoring Process

Process Info
Performance
Event Log

Host Status Summary

Host Status Summary

Up	Down	Unreachable	Pending
53	61	3	0

Unhandled	Problems	All
64	64	117

Last Updated: 2017-10-05 16:06:57

My Graph

Service Status Summary

Service Status Summary

Ok	Warning	Unknown	Critical	Pending
226	12	84	371	2

Unhandled	Problems	All
366	367	595

Last Updated: 2017-10-05 16:06:57

Top Alert Producers Last 24 Hours

Switch 1
Port:-24-Gigabit---Level Bandwidth
Switch 1
Port:-1-Gigabit---Level Bandwidth
192.168.5.41
Port 23 Bandwidth
vs1.nagios.com
Users
Switch 1
Port:-23-Gigabit---Level Bandwidth
192.168.5.41
Port 1 Bandwidth
Switch 1
Port:-15-Gigabit---Level Bandwidth
exchange.nagios.org
Memory Usage
exchange.nagios.org
Total Processes

0   2.5   5   7.5   10   12.5   15   17.5   20   22.5   25

Metrics Overview

Disk Usage

Host	Service	% Utilization	Details
localhost	Root Partition	78.67%	DISK WARNING - free space: / 1207 MB (17% inode=68%):
vs1.nagios.com	/ Disk Usage	37.30%	DISK OK - free space: / 117214 MB (61% inode=99%):
exchange.nagios.org	/ Disk Usage	13.22%	DISK OK - free space: / 68067 MB (86% inode=97%):

Last Updated: 2017-10-05 16:06:58

Hostgroup Status Summary

Status Summary For All Host Groups

Host Group	Hosts	Services
All EMC SAN Hosts (all_emc_hosts)	1 Up	4 Ok / 1 Critical
Firewalls (firewalls)	1 Up	1 Ok
Host Deadpool (host-deadpool)	3 Up / 1 Down / 1 Unreachable	8 Ok / 7 Critical
Linux Servers (linux-servers)	5 Up	52 Ok / 3 Warning / 9 Unknown / 8 Critical
new group (new group)	8 Up / 2 Down / 2 Unreachable	58 Ok / 3 Warning / 9 Unknown / 11 Critical
Printers (printers)	1 Up / 2 Unreachable	2 Ok / 3 Critical
Websites (websites)	3 Up	20 Ok / 2 Warning / 3 Critical
Windows Servers (windows-servers)	2 Down	5 Critical

Last Updated: 2017-10-05 16:06:57

Powerful Monitoring Engine

Nagios XI uses the powerful Nagios Core 4 monitoring engine to provide users with efficient, scalable monitoring.

Updated Web Interface

Your new dashboard provides a customizable high-level overview of hosts, services, and network devices.

Configuration Wizards

Fast Wizards! Simply enter the required information, and you're up and monitoring with a few simple clicks.

Infrastructure Management

Improved Bulk Host Import, Autodiscovery, Auto Decommissioning, Mass Acknowledgment & much more!

System Information

System Status
Monitoring Engine Status
Audit Log
Check For Updates

Users

Manage Users
LDAP/AD Integration
Notification Management

System Config

System Settings
License Information
Proxy Configuration
System Profile
Manage Email Settings
Manage Mobile Carriers
Performance Settings
Automatic Login
Reset Security Credentials
SSH Terminal

Monitoring Config

Config Snapshots
Check File Permissions
NRDS Config Manager
Unconfigured Objects
Deadpool Settings

Check Transfers

Outbound Transfers
Inbound Transfers

System Extensions

Manage Components
Manage Config Wizards
Manage Dashlets
Manage Plugins
Manage Graph Templates
Manage MIBs
Custom Includes

System Backups

Scheduled Backups
Local Backup Archives

Configuration Snapshots

The latest configuration snapshots of the XI monitoring engine are shown below. Download the most recent snapshots as backups or get vital information for troubleshooting configuration errors.

Recent Snapshots

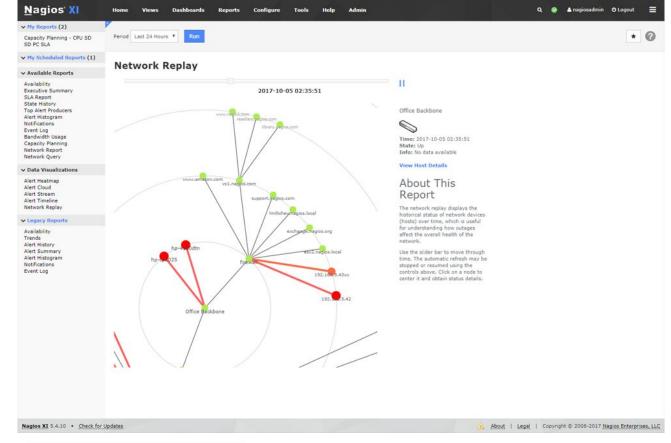| Date	Snapshot Result	Filename	Actions
2017-10-05 17:20:43	Config Ok	1507242043.tar.gz	
2017-10-05 17:20:10	Config Ok	1507242010.tar.gz	
2017-10-05 17:19:25	Config Ok	1507241965.tar.gz	
2017-10-05 17:18:41	Config Ok	1507241921.tar.gz	
2017-10-05 17:18:29	Config Ok	1507241909.tar.gz	
2017-10-05 17:18:26	Config Ok	1507241906.tar.gz	
2017-10-05 17:17:52	Config Ok	1507241872.tar.gz	
2017-10-05 17:17:48	Config Ok	1507241868.tar.gz	
2017-10-05 12:21:03	Config Ok	1507224063.tar.gz	
2017-10-05 11:44:28	Config Ok	1507221868.tar.gz	

Archived Snapshots

Date	Snapshot Result	Filename	Actions
2016-10-18 15:27:53	Config Ok	Cleanup-add_dot_90.1476822473.tar.gz	
2016-10-06 15:02:39	Config Ok	1475784159.tar.gz	
2016-06-16 15:56:23	Config Ok	1466110583.tar.gz	
2015-03-12 10:00:41	Config Ok	1426172441.tar.gz	
2014-07-02 13:13:02	Config Ok	Milestone.1404324782.tar.gz	
2014-05-21 14:13:22	Config Ok	bettersnap.1400699602.tar.gz	
2014-05-16 09:52:29	Config Ok	1400251949.tar.gz	

Configuration Snapshot

Save your most recent configurations. Archive it. Revert back whenever you like. Never lose it again. Relax.

Nagios XI

Home Views Dashboards Reports Configure Tools Help Admin

nagiosadmin Logout

System Information
System Status
Monitoring Engine Status
Audit Log
Check For Updates

Users
Manage Users
LDAP/AD Integration
Notification Management

System Config
System Settings
License Information
Proxy Configuration
System Profile
Manage Email Settings
Manage Mobile Carriers
Performance Settings
Automatic Login
Reset Security Credentials
SSH Terminal

Monitoring Config
Config Snapshots
Check File Permissions
NRDS Config Manager
Unconfigured Objects
Deadpool Settings

Check Transfers
Outbound Transfers
Inbound Transfers

System Extensions
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Manage Graph Templates
Manage MIBs
Custom Includes

System Backups
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Local Backup Archives

Manage Users

Add New User   Add users from LDAP/AD   Email All Users

Search...

Showing 1-8 of 8 total records

	Username	Name	Email	Phone Number	Auth Level	Auth Type	Last Login	Actions
	sdadmin	SD	shamas@nagios.com	-	Admin	Local	-	
	nagiosadmin	Nagios Administrator	root@localhost	555-685-3421	Admin	Local	2017-10-05 15:13:23	
	readonly-user	Read Only	none@localhost	-	User	Local	-	
	lsmith	Laura Smith	lsmith@localhost	-	Admin	Local	-	
	jsmith	Jonathan Smith	jsmith456@localhost	-	User	Local	-	
	eric	Eric Boch	eric@localhost	-	User	Active Directory	-	
	ecoldwell	Edward Coldwell	ecoldwell@localhost	-	User	Active Directory	-	
	bjordan	Billy Jordan	bjordan12@localhost	-	User	Local	-	

Page 1 of 1   10 Per Page   Go

With Selected:

Nagios XI 5.4.10 • Check for Updates

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Advanced User Management

Easily setup and manage user accounts with only a few clicks then assign custom roles to ensure a secure environment.

Install Nagios

curl https://assets.nagios.com/downloads/nagiosxi/install.sh | sh