

NMIS8 Common Settings to Consider Adjusting

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Introduction

Below are a few commonly changed configuration items when installing a new NMIS.

Authentication

Category	Configuration	Original Value	Possible Values	Link	Description
authentication	auth_cookie_flavour	nmis	nmis, omk	User Management in NMIS8	To configure NMIS to share authentication cookies with Opmantek Applications, it is necessary that you change the configuration item auth_cookie_flavour from the default "nmis" to "omk" and set the configuration item auth_web_key to the same value as the OMK application's first omkd_secrets configuration.
authentication	auth_default_groups			As above	When accessing NMIS, you have a choice on how to handle authenticated users who do not have authorisations defined, you can reject them, or you can allow them default access. This is so that you do not have to define every user in the system if the authentication system is providing a reduced list of users, to have the users become an operator or guest by default and be able to see all groups of devices, the following would apply. 'auth_default_privilege' => 'guest', 'auth_default_groups' => 'all'. To prevent default authorisation, simply define them as blank, which is the default in the NMIS8 Install configuration.
authentication	auth_default_privilege			As above	As above for auth_default_groups
authentication	auth_ldap_context	ou=people, dc=opmantek, dc=com		As above	The base of context to attempt to bind to
authentication	auth_ldap_server	192.168.1.5	<ip>	As above	The LDAP server to use for authentication.
authentication	auth_method_1	htpasswd		As above	In the NMIS configuration you can configure multiple methods which are used for auth failure, so if ms-ldap fails, it will fail back to htpasswd for example. This means if you set auth_method_1 to be ldap and auth_method_2 to be htpasswd, and login with the default NMIS credentials (and you have not changed the password), the authentication for LDAP will fail, and then authentication with the users.dat will succeed and the user will be logged in.
authentication	auth_method_2			As above	As above for auth_method_1
authentication	auth_ms_ldap_base	dc=corp, dc=opmantek, dc=com		As above	The LDAP Base to search from
authentication	auth_ms_ldap_dn_acc	nmis		As above	The DomainName\account to bind with
authentication	auth_ms_ldap_dn_psw	XXXXXXXXXX		As above	The password for the above
authentication	auth_ms_ldap_server	192.168.1.5	<ip>	As above	The Active Directory server to use for authentication
authentication	auth_sso_domain			As above	

Email

Category	Configuration	Original Value	Possible Values	Link	Description
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email	mail_combine	true	true, false	NMIS8 Email	
email	mail_domain	yourdomain.com	<domain>	As above	
email	mail_from	nmis@yourdomain.com	<email>	As above	
email	mail_from_reports	nmis-reports@yourdomain.com	<email>	As above	
email	mail_password		<password>	As above	
email	mail_server	127.0.0.1	<ip>	As above	
email	mail_server_ipproto		ipv4, ipv6	As above	
email	mail_server_port	25	<integer>	As above	
email	mail_use_tls	false	true, false	As above	
email	mail_user	your mail username	<username>	As above	

Globals

Category	Configuration	Original Value	Possible Values	Link	Description
globals	node_name_rule				
globals	threshold_falling_reset_dampening	1.05		Basic and Advanced Thresholds	
globals	threshold_rising_reset_dampening	0.95		Basic and Advanced Thresholds	
globals	uuid_add_with_node			Using Unique Identifiers (UUID) for NMIS Nodes	

System

Category	Configuration	Original Value	Possible Values	Link	Description
system	demote_faulty_nodes	true	true, false		For nodes that have been non-collectable for a long time NMIS offers to attempt collect operations only once every 24 hours.
system	display_status_summary	false	true, false	NMIS Node Status	
system	fastping_interval				Added in NMIS 9.0.3
system	fastping_target_interval				Added in NMIS 9.0.3
system	graph_cache_manage				
system	nettype_list	wan,lan,vpn,man,san,voice,default	<list>		
system	network_viewNode_field_list	status,outage,sysName,host_addr,host_addr_backup, group,customer, location,businessService,serviceStatus, nodeType,nodeModel, polling_policy,sysUpTime,sysLocation, sysContact,sysDescr,ifNumber, lastUpdate, nodeVendor,sysObjectName,roleType,netType	<list>	Adding or Rearranging fields in the Node Details View	Controls which fields are shown in the Node View and in what order.
system	node_status_use_status_summary	false	true, false	NMIS Node Status	
system	non_stateful_events	Node Configuration Change, Node Reset, NMIS runtime exceeded	<list>		
system	os_username				
system	polling_interval_factor	0.9	<decimal>		Fraction of the polling interval after which node is considered for next poll
system	threshold_period-interface	-15 minutes			Added in NMIS 8.5
system	threshold_period-pkts	-15 minutes			Added in NMIS 8.5

system	threshold_period- pkts_hc	-15 minutes			Added in NMIS 8.5
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Deprecated Configuration

The following items have been deprecated from the indicated versions and will be removed at a later date.

Category	Configuration	Deprecated
authentication	auth_user_name_regex	NMIS8.7.1