

# NMIS Configuration

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## NMIS Configuration

This page contains several sections for both NMIS8 and NMIS9.

We have detailed a set of commonly configured attributes that most users will want to consider.

We also have a very detailed list of every option available that most users will not need to use, unless they have a specific use-case.

The NMIS8 configuration items are stored in a *text* file /usr/local/nmis8/conf/Config.nmis.

The NMIS9 configuration items are stored in a *text* file /usr/local/nmis9/conf/Config.nmis.

## Common Settings to Consider Adjusting for NMIS8

Below are settings customers commonly change, typically authentication and email settings.

### Authentication

authentication	auth_cookie_flavour	nmis	nmis, omk	<a href="#">User Management in NMIS8</a>	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_default_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_n_account	nmis		As above	The DomainName\account to bind with
authentication	auth_ms_ldap_n_password	XXX XXX XXX		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	
authentication	auth_use_rname_regex	[w\-\.\@\'\'] +	<regex>	As above	

## Email

email	mail_combine	true	true, false	<a href="#">NMIS8 Email</a>	
email	mail_domain	<a href="#">yourdomain.com</a>	<domain>	As above	
email	mail_from	<a href="#">nmis@yourdomain.com</a>	<email>	As above	
email	mail_from_reports	<a href="#">nmis-reports@yourdomain.com</a>	<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

globals	node_name_rule				
globals	threshold_falling_reset_dampening				
globals	threshold_rising_reset_dampening				
globals	uuid_add_with_node			<a href="#">Using Unique Identifiers (UUID) for NMIS Nodes</a>	

## System

sysstem	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.
sysstem	display_status_summary	false	true, false	<a href="#">NMIS Node Status</a>	
sysstem	fastping_interval				Added in NMIS 9.0.3
sysstem	fastping_target_interval				Added in NMIS 9.0.3
sysstem	graph_cache_maxage				
sysstem	nettype_list	wan,lan,vpn,man,san,voice,default	<list>		
sysstem	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>	<a href="#">Adding or Rearranging fields in the Node Details View</a>	Controls which fields are shown in the Node View and in what order.
sysstem	node_status_uses_status_summary	false	true, false	<a href="#">NMIS Node Status</a>	
sysstem	non_stateful_events	Node Configuration Change, Node Reset, NMIS runtime exceeded	<list>		
sysstem	os_username				

s y s t e m	polling_int erval_fact or	0.9	< d e c i m a l>		Fraction of the polling interval after which node is considered for next poll
s y s t e m	threshold_ period- interface	-15 minutes			Added in NMIS 8.5
s y s t e m	threshold_ period- pkts	-15 minutes			Added in NMIS 8.5
s y s t e m	threshold_ period- pkts_hc	-15 minutes			Added in NMIS 8.5

## Detailed NMIS8 Configuration

Below are detailed options for NMIS8 configuration.

Configuration settings in the Config.nmis file are broken into sections.

Section	Name	Original Value		Possible Values	Description
authenticat ion	auth_banner_tit le	NMIS8			
authenticat ion	auth_buttons_vi sible	true		true, false	
authenticat ion	auth_cookie_fla vour	nmis		nmis, omk	
authenticat ion	auth_cw_comp any_id				
authenticat ion	auth_cw_privat e_key				
authenticat ion	auth_cw_public _key				
authenticat ion	auth_cw_server				
authenticat ion	auth_debug				
authenticat ion	auth_debug_re mote_addr				
authenticat ion	auth_default_gr oups				
authenticat ion	auth_default_pr ivilege				
authenticat ion	auth_expire	\+30min			
authenticat ion	auth_htpasswd _encrypt	crypt			
authenticat ion	auth_htpasswd _file	<nmis_conf>/users.dat			
authenticat ion	auth_ldap_attr				
authenticat ion	auth_ldap_cont ext	ou=people,dc=opmantek,dc=com			
authenticat ion	auth_ldap_serv er	192.168.1.5			
authenticat ion	auth_ldaps_ser ver				

authentication	auth_lockout_after	0			
authentication	auth_login_message	Authentication required: Please log in with your appropriate username and password in order to gain access to this system			
authentication	auth_login_title	NMIS8 login			
authentication	auth_method_1	htpasswd			
authentication	auth_method_2				
authentication	auth_method_3				
authentication	auth_ms_ldap_attr	sAMAccountName			
authentication	auth_ms_ldap_base	dc=corp,dc=opmantek,dc=com			
authentication	auth_ms_ldap_debug	false		true, false	
authentication	auth_ms_ldap_dn_acc	nmis			
authentication	auth_ms_ldap_dn_psw	XXXXXXXXXX			
authentication	auth_ms_ldap_server	192.168.1.5			
authentication	auth_ms_ldap_server				
authentication	auth_radius_secret				
authentication	auth_radius_server				
authentication	auth_sso_domain				
authentication	auth_user_name_regex	[w \-\.\\ @'\ ']+		<regex>	Deprecated
authentication	auth_web_key	Please Change Me!			
css	jquery_jdmenu_css	<menu_url_base>/css/jquery.jdMenu.css		<relative url>	
css	jquery_ui_css	<menu_url_base>/css/smoothness/jquery-ui-1.9.2.custom.css		<relative url>	
css	styles	<menu_url_base>/css/dash8.css		<relative url>	
daemons	daemon_fping_active	true		true, false	
daemons	daemon_fping_dns_cache	true		true, false	
daemons	daemon_fping_filename	<a href="#">fpingd.pl</a>			
daemons	daemon_fping_run_escalation	true		true, false	
daemons	daemon_ipsla_active	false		true, false	
daemons	daemon_ipsla_filename	<a href="#">ipslad.pl</a>			
daemons	logwatch	false		true, false	
directories	<nmis_base>	/usr/local/nmis8		<filepath>	

directories	<menu_base>	<nmis_base>/menu		<relative filepath>	
directories	<nmis_admin>	<nmis_base>/admin		<relative filepath>	
directories	<nmis_backups>	<nmis_data>/backups		<relative filepath>	
directories	<nmis_bin>	<nmis_base>/bin		<relative filepath>	
directories	<nmis_cgi>	<nmis_base>/cgi-bin		<relative filepath>	
directories	<nmis_conf>	<nmis_base>/conf		<relative filepath>	
directories	<nmis_data>	<nmis_base>		<relative filepath>	
directories	<nmis_logs>	<nmis_base>/logs		<relative filepath>	
directories	<nmis_menu>	<nmis_base>/menu		<relative filepath>	
directories	<nmis_models>	<nmis_base>/models		<relative filepath>	
directories	<nmis_var>	<nmis_data>/var		<relative filepath>	
directories	config_logs	<nmis_logs>/config		<relative filepath>	
directories	database_root	<nmis_data>/database		<relative filepath>	
directories	json_logs	<nmis_logs>/json		<relative filepath>	
directories	log_root	<nmis_logs>		<relative filepath>	
directories	mib_root	<nmis_base>/mibs		<relative filepath>	
directories	plugin_root	<nmis_conf>/plugins		<relative filepath>	
directories	report_root	<nmis_base>/htdocs/reports		<relative filepath>	
directories	script_root	<nmis_conf>/scripts		<relative filepath>	
directories	web_root	<nmis_base>/htdocs		<relative filepath>	
email	mail_combine	true		true, false	
email	mail_domain	<a href="#">yourdomain.com</a>		<domain>	
email	mail_from	<a href="#">nmis@yourdomain.com</a>		<email>	
email	mail_from_reports	<a href="#">nmis-reports@yourdomain.com</a>		<email>	
email	mail_password			<password>	
email	mail_server	127.0.0.1		<ip>	
email	mail_server_ipproto			ipv4, ipv6	If unset, defaults to ipv4.
email	mail_server_port	25		<integer>	
email	mail_use_tls	false		true, false	
email	mail_user	your mail username		<username>	
escalation	escalate0	0		<integer>	Seconds
escalation	escalate1	300		<integer>	Seconds
escalation	escalate10	86400		<integer>	Seconds

escalation	escalate2	900		<integer>	Seconds
escalation	escalate3	1800		<integer>	Seconds
escalation	escalate4	2400		<integer>	Seconds
escalation	escalate5	3600		<integer>	Seconds
escalation	escalate6	7200		<integer>	Seconds
escalation	escalate7	10800		<integer>	Seconds
escalation	escalate8	21600		<integer>	Seconds
escalation	escalate9	43200		<integer>	Seconds
expiration	purge_backup_after	30*86400			backup files
expiration	purge_event_after	7*86400			historic, closed events
expiration	purge_graphcache_after	3600			cached graph images
expiration	purge_jsonlog_after	30*86400			json log files
expiration	purge_outages_after	86400			past non-recurring outages
expiration	purge_reports_after	365*86400			html reports
expiration	purge_rrd_after	30*86400			unused rrd files older than 30 days
expiration	purge_state_after	30*86400			unused nmis state files
files	auth_log	<nmis_logs>/auth.log		<filepath>	
files	company_logo			<filepath>	
files	event_log	<nmis_logs>/event.log		<filepath>	
files	events	<cgi_url_base>/events.pl		<filepath>	
files	fpingd_log	<nmis_logs>/fpingd.log		<filepath>	
files	ipsla	<cgi_url_base>/ipsla.pl		<filepath>	
files	ipsla_log	<nmis_logs>/ipsla.log		<filepath>	
files	logs	<cgi_url_base>/logs.pl		<filepath>	
files	network	<cgi_url_base>/network.pl		<filepath>	
files	nmis	<cgi_url_base>/nmiscgi.pl		<filepath>	
files	nmis_favicon	<menu_url_base>/img/nmis_favicon.png		<filepath>	
files	nmis_help	<menu_url_base>/img/question.png		<filepath>	
files	nmis_home	<menu_url_base>/img/home.png		<filepath>	
files	nmis_log	<nmis_logs>/nmis.log		<filepath>	
files	nmis_slave	<menu_url_base>/img/slave.png		<filepath>	
files	node	<cgi_url_base>/node.pl		<filepath>	
files	outage_file	<nmis_conf>/outage.dat		<filepath>	
files	polling_log	<nmis_logs>/polling.log		<filepath>	
files	rrddraw	<cgi_url_base>/rrddraw.pl		<filepath>	
files	syslog_log	<nmis_logs>/cisco.log		<filepath>	
globals	global_collect_Description	(CNOCCollection)			
globals	global_collect_ifDescr				
globals	global_events_bandwidth	true		true, false	

globals	global_nocollect_Description				
globals	global_nocollect_ifDescr				
globals	global_nocollect_ifOperStatus				
globals	global_nocollect_ifType				
globals	global_nocollect_interface_down_days	30		<integer>	
globals	global_nocollect_noDescription				
globals	global_noevent_Description				
globals	global_noevent_ifDescr				
globals	global_noevent_ifType				
globals	global_threshold	true		true, false	advanced thresholds enabled or not
globals	node_name_rule	qr/{a-zA-Z0-9_.-}+\$/		<regex>	note: rule MUST exclude '/'
globals	threshold_falling_reset_dampening	1.05		<decimal>	
globals	threshold_poll_cycle	true		true, false	perform threshold computations at the end of poll cycle
globals	threshold_poll_node	true		true, false	or perform threshold computation with each node
globals	threshold_rising_reset_dampening	0.95		<decimal>	
globals	uuid_namespace_name	<a href="http://www.domain.com">www.domain.com</a>		<domain>	
globals	uuid_namespace_type	NameSpace_URL		<uri>	
graph	graph_amount	48		<integer>	
graph	graph_default_font_small	DEFAULT:8:Sans-Serif			
graph	graph_default_font_standard	DEFAULT:8:Sans-Serif			
graph	graph_factor	2		<integer>	
graph	graph_height	250		<integer>	
graph	graph_split	TRUE			
graph	graph_unit	hours			
graph	graph_width	700		<integer>	
graph	small_graph_height	50		<integer>	
graph	small_graph_width	400		<integer>	
graph	win_height	570		<integer>	
graph	win_width	835		<integer>	
gui	export_summarisation_periods	[ 300, 900, 1800, 3600, 4*3600 ]			
icons	arrow_down	<menu_url_base>/img/arrow_down.gif		<relative filepath>	



icons	arrow_down_big	<menu_url_base>/img/bigdown.gif		<relative filepath>	
icons	arrow_down_black	<menu_url_base>/img/arrow_down_black.gif		<relative filepath>	
icons	arrow_down_green	<menu_url_base>/img/arrow_down_green.gif		<relative filepath>	
icons	arrow_up	<menu_url_base>/img/arrow_up.gif		<relative filepath>	
icons	arrow_up_big	<menu_url_base>/img/bigup.gif		<relative filepath>	
icons	arrow_up_red	<menu_url_base>/img/arrow_up_red.gif		<relative filepath>	
icons	back_icon	<menu_url_base>/img/back.jpg		<relative filepath>	
icons	banner_image	<menu_url_base>/img/NMIS_Logo.gif		<relative filepath>	
icons	critical_net_icon	<menu_url_base>/img/network-red.gif		<relative filepath>	
icons	doc_icon	<menu_url_base>/img/doc.jpg		<relative filepath>	
icons	fatal_net_icon	<menu_url_base>/img/network-red.gif		<relative filepath>	
icons	help_icon	<menu_url_base>/img/help.jpg		<relative filepath>	
icons	lft_icon	<menu_url_base>/img/lft.jpg		<relative filepath>	
icons	logs_icon	<menu_url_base>/img/logs.jpg		<relative filepath>	
icons	major_net_icon	<menu_url_base>/img/network-amber.gif		<relative filepath>	
icons	map_icon	<menu_url_base>/img/australia-line.gif		<relative filepath>	
icons	minor_net_icon	<menu_url_base>/img/network-yellow.gif		<relative filepath>	
icons	mtr_icon	<menu_url_base>/img/mtr.jpg		<relative filepath>	
icons	nmis_icon	<menu_url_base>/img/nmis.png		<relative filepath>	
icons	normal_net_icon	<menu_url_base>/img/network-green.gif		<relative filepath>	
icons	ping_icon	<menu_url_base>/img/ping.jpg		<relative filepath>	
icons	summary_icon	<menu_url_base>/img/summary.jpg		<relative filepath>	
icons	telnet_icon	<menu_url_base>/img/telnet.jpg		<relative filepath>	
icons	trace_icon	<menu_url_base>/img/trace.jpg		<relative filepath>	
icons	unknown_net_icon	<menu_url_base>/img/network-white.gif		<relative filepath>	
javascript	calendar	<menu_url_base>/js/calendar.js		<relative url>	
javascript	calendar_setup	<menu_url_base>/js/calendar-setup.js		<relative url>	
javascript	jquery	<menu_url_base>/js/jquery-1.8.3.min.js		<relative url>	
javascript	jquery_ba_dotimeout	<menu_url_base>/js/jquery.ba-dotimeout.min.js		<relative url>	
javascript	jquery_bgiframe	<menu_url_base>/js/jquery.bgiframe-2.1.2.js		<relative url>	
javascript	jquery_jdmenu	<menu_url_base>/js/jquery.jdMenu.js		<relative url>	
javascript	jquery_positionby	<menu_url_base>/js/jquery.positionBy.js		<relative url>	

javascript	jquery_ui	<menu_url_base>/js/jquery-ui-1.9.2.custom.js		<relative url>	
javascript	nmis_common	<menu_url_base>/js/commonv8.js		<relative url>	
master_slave	auth_src_ip	127.0.0.1			
master_slave	master_dash	false		true, false	
master_slave	master_report	false		true, false	
master_slave	master_server_priority	10		<integer>	
master_slave	master_sleep	15		<integer>	
master_slave	nmis_master_poll_cycle	false		true, false	
master_slave	server_community	secret			
master_slave	server_master	false		true, false	
master_slave	server_user	nmismst			
master_slave	slave_community	secret			
				true, false	
menu	menu_groups_active	true		true, false	
menu	menu_groups_defer_load	false		true, false	
menu	menu_groups_foldout	true		true, false	
menu	menu_groups_full	true		true, false	
menu	menu_maxitems	30		<integer>	
menu	menu_start_page_id				
menu	menu_suspend_link	true		true, false	
menu	menu_title	NMIS8			
menu	menu_types_active	true		true, false	
menu	menu_types_defer_load	false		true, false	
menu	menu_types_foldout	true		true, false	
menu	menu_types_full	true		true, false	
menu	menu_vendors_active	false		true, false	
menu	menu_vendors_defer_load	false		true, false	
menu	menu_vendors_foldout	false		true, false	
menu	menu_vendors_full	false		true, false	
metrics	average_decimals	2		<integer>	
metrics	average_diff	0.1		<decimal>	
metrics	metric_availability	0.2		<decimal>	

metrics	metric_comparison_first_period	-8 hours			
metrics	metric_comparison_second_period	-16 hours			
metrics	metric_health	0.4		<decimal>	
metrics	metric_int_utilisation_above	-1		<integer>	
metrics	metric_reachability	0.4		<decimal>	
metrics	weight_availability	0.1		<decimal>	
metrics	weight_cpu	0.2		<decimal>	
metrics	weight_int	0.3		<decimal>	
metrics	weight_mem	0.1		<decimal>	
metrics	weight_reachability	0.1		<decimal>	
metrics	weight_response	0.2		<decimal>	
mibs	full_mib	nmis_mibs.oid,a3com.oid,dell.oid,ups.oid,akcp.oid		<filename>	
modules	display_community_rss_widget	true		true, false	
modules	display_module_list	true		true, false	
modules	display_network_view	true		true, false	
modules	display_opmaps_widget	false		true, false	
modules	display_opflow_widget	false		true, false	
modules	opmaps_widget_width	750		<integer>	
modules	opmaps_widget_height	450		<integer>	
modules	opflow_widget_width	750		<integer>	
modules	opflow_widget_height	460		<integer>	
modules	rss_widget_width	210		<integer>	
modules	rss_widget_height	460		<integer>	
online	nmis_docs_online	<a href="https://community.opmantek.com/">https://community.opmantek.com/</a>		<url>	
online	community_rss_url	<a href="https://community.opmantek.com/rss/NMIS.xml">https://community.opmantek.com/rss/NMIS.xml</a>		<url>	
sound	sound_fatal	/nmis8/events/critical.wav		<filepath>	
sound	sound_critical	/nmis8/events/critical.wav		<filepath>	
sound	sound_major	/nmis8/events/major.wav		<filepath>	
sound	sound_type	audio/wav			
sound	sound_minor	undef			
sound	sound_warning	undef			
sound	sound_normal	undef			

sound	sound_levels			fatal,critical, major,minor, warning, normal	To enable audio feedback, set the severity levels that you want sound for, and point the sound_X to a suitable url
sql	db_debug	0		0,1	
sql	db_events_sql	false		true, false	
sql	db_host	localhost			
sql	db_links_sql	false		true, false	
sql	db_logging	1		0,1	
sql	db_name	nmis			
sql	db_password	nmis			
sql	db_port	3306		<integer>	
sql	db_prefix				
sql	db_rootpassword	nmis			
sql	db_rootuser	nmisadm			
sql	db_server	localhost		<hostname>	
sql	db_user	nmis			
sql	nmisdb	nmisdb			
syslog	syslog_events	false		true, false	
syslog	syslog_facility	local1			
syslog	syslog_server	localhost:udp:514			
syslog	syslog_use_escalation	true		true, false	
system	auto_expand_more_graphs	true		true, false	
system	buttons_in_logs	false		true, false	
system	cache_summary_tables	true		true, false	
system	cache_var_tables	true		true, false	
system	cbqos_cm_collect_all	true		true, false	
system	default_authkey				
system	default_authpassword				
system	default_communityRO	public			
system	default_graphtype	abits			
system	default_privkey				
system	default_privpassword				
system	default_username				
system	demote_faulty_nodes	true		true, false	try totally unpollable nodes just once a day?
system	disable_interfaces_summary	false		true, false	
system	disable_nmis_process_events	undef			to disable the generation of "nmis runtime exceeded" events, set this to 1 or true

system	display_status_summary	false		true, false	
system	domain_name			<domain>	
system	fastping_count	3		<integer>	
system	fastping_node_poll	200		<integer>	
system	fastping_packet	56		<integer>	
system	fastping_retries	3		<integer>	
system	fastping_sleep	60		<integer>	
system	fastping_timeout	5000		<integer>	
system	file_size_warning	100000000		<integer>	
system	global_collect	true		true, false	
system	graph_cache_maxage	120		<integer>	set to zero to disable graph caching
system	group_list	NMIS8,DataCenter,Branches,Sales,Campus,HeadOffice,Open-Audit			
system	http_req_timeout	60		<integer>	
system	interface_availability_value_when_down	U			
system	interface_max_number	5000		<integer>	
system	interface_util_label	Util. 6hrs			
system	interface_util_period	-6 hours			
system	ipsla_bucket_interval	180		<integer>	
system	ipsla_collect_time	60		<integer>	
system	ipsla_control_enable_other	true		true, false	
system	ipsla_dnscache_time	3600		<integer>	
system	ipsla_extra_buckets	5		<integer>	
system	ipsla_maxthreads	10		<integer>	
system	ipsla_mthread	true		true, false	
system	ipsla_mthreaddebug	false		true, false	
system	json_node_fields	uuid,supportGroup,cmdbType			
system	keep_event_history	false		true, false	set to false to disable keeping of closed events in history section
system	loc_from_DNSLoc	false		true, false	
system	loc_from_sysLoc	false		true, false	
system	loc_sysLoc_format	^-*\d{1,3}\\.\d{1,4},-*\d{1,3}\\.\d{1,4},\d{0,4},.		<regex>	
system	location_field_name	sysLocation			new configuration option to have a configurable field to use for location, e.g. sysLocation or location.
system	log_max_table_lines	25000		<integer>	
system	log_node_configuration_events	false		true, false	
system	log_polling_time	undef			to enable the logging of polling time to the NMIS log, will log every node every 5 minutes, set this to 1 or true



system	ping_count	3		<integer>	
system	ping_packet	56		<integer>	
system	ping_retries	3		<integer>	
system	ping_timeout	5000		<integer>	
system	plugins_enabled	true		true, false	
system	polling_interval_factor	0.9		<decimal>	fraction of the polling interval after which node is considered for next poll
system	report_files_max	60		<integer>	
system	response_time_threshold	500		<integer>	
system	roletype_list	core,distribution,access,default		<list>	
system	selftest_cron_name	(^/)/cron?\$		<regex>	regexp for finding your cron implementation
system	selftest_max_collect_age	900		<integer>	seconds, 15 min
system	selftest_max_nmis_procs	50		<integer>	
system	selftest_max_swap	50		<integer>	in percent
system	selftest_max_system_cpu	60		<integer>	utilization in percent
system	selftest_max_system_iowait	20		<integer>	in percent
system	selftest_max_update_age	604800		<integer>	seconds, one week
system	selftest_min_diskfree_mb	25		<integer>	
system	selftest_min_diskfree_percent	10		<integer>	
system	server_admin	root@localhost		<email>	
system	server_name	localhost			
system	severity_by_roletype	{ core => [ 'Critical', 'Major' ], distribution => [ 'Major', 'Minor' ], access => [ 'Minor', 'Warning' ], default => [ 'Major', 'Minor' ] }			for coloring the group status panel. 'default' applies to unlisted role types
system	snmp_max_msg_size	1472		<integer>	
system	snmp_retries	1		<integer>	
system	snmp_stop_polling_on_error	true		true, false	
system	snmp_timeout	5		<integer>	
system	snpp_server	<server_name>			
system	stateless_event_dampening	900		<integer>	
system	threshold_period-default	-15 minutes			
system	threshold_period-health	-4 hours			
system	threshold_period-interface	-15 minutes			
system	threshold_period-pkts	-15 minutes			
system	threshold_period-pkts_hc	-15 minutes			
system	upnotify_stateful_events	down proactive alert			
system	use_json	true		true, false	
system	use_json_pretty	false		true, false	

system	verbose_nmis_process_events	true		true, false	produce STDERR output (and thus cron emails) if killing nmis processes
system	widget_refresh_time	180		<integer>	
system	wrap_node_names	true		true, false	
tables NMIS4	Contacts_Key	Contact			
tables NMIS4	Contacts_Table	<nmis_conf>/contacts.csv		<relative filepath>	
tables NMIS4	Escalation_Key	Group:Role:Type:Event:Event_Node:Event_Element			
tables NMIS4	Escalation_Table	<nmis_conf>/escalation.csv		<relative filepath>	
tables NMIS4	Interface_Key	node:ifDescr			
tables NMIS4	Interface_Table	<nmis_var>/interface.csv		<relative filepath>	
tables NMIS4	Locations_Key	Location			
tables NMIS4	Locations_Table	<nmis_conf>/locations.csv		<relative filepath>	
tables NMIS4	Nodes_Key	node			
tables NMIS4	Nodes_Table	<nmis_conf>/nodes.csv		<relative filepath>	
tables NMIS4	Users_Key	user			
tables NMIS4	Users_Table	<nmis_conf>/users.csv		<relative filepath>	
tools	lft	/usr/local/bin/lft		<filepath>	
tools	mtr	/usr/sbin/mtr		<filepath>	
tools	ssh_port			<integer>	
tools	ssh_url	ssh://		<url>	
tools	view_lft	false		true, false	
tools	view_mtr	false		true, false	
tools	view_ping	true		true, false	
tools	view_ssh	true		true, false	
tools	view_telnet	true		true, false	
tools	view_trace	true		true, false	
url	<cgi_url_base>	/cgi-nmis8		<relative url>	
url	<menu_url_base>	/menu8		<relative url>	
url	<url_base>	/nmis8		<relative url>	
url	web_report_root	<url_base>/reports		<relative url>	

## Common Settings to Consider Adjusting for NMIS9

As per NMIS8 and also see [Importing NMIS8 configuration into NMIS9](#)

## Detailed NMIS9 Configuration

As per NMIS8 and also see [NMIS 9 Administration Notes](#)