

opReports Configuration

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opReports Configuration

The configuration options for opReports are stored in a *text* file `/usr/local/omk/conf/opCommon.nmis`.

Configuration items that are not application specific are detailed on the opCommon [Configuration](#) page.

Common Settings to Consider Adjusting

The items below are commonly changed by customers.

Section	Name	Original Value	Description
opreports	opreports_opcharts_password	nm1888	opreports needs a user with read only access
opreports	opreports_url_base	http://yourserver.yourdomain/	for creating links in emails, reports

Specific Configuration

The opReports section of opCommon.nmis is for opReports specific configuration items only.

Section	Name	Original Value	Possible Values	Description
opreports	opreports_application_heading	undef		
opreports	opreports_do_cache_known_reports	undef		
opreports	default_report_timezone	AEST		
opreports	opreports_embedded_graph_size	[600,150]		these are final sizes
opreports	opreports_embedded_graph_size_small	[300,75]		these are final sizes
opreports	opreports_embedded_nmis_graph_size	[452,113]		these are not final, dynamically adjusted based on graph content
opreports	opreports_embedded_nmis_graph_size_small	[300,50]		these are not final, dynamically adjusted based on graph content
opreports	opreports_url_base	http://yourserver.yourdomain/	<url>	
opreports	opreports_max_interface_util			
opreports	opreports_opcharts_url_base	http://127.0.0.1:8042	<url>	base of opCharts server, eg http://localhost:8042 (no slash at the end)
opreports	opreports_opcharts_username	nmis	<username>	user needs ro-access
opreports	opreports_opcharts_password	nm1888	<password>	
opreports	opreports_default_css	<omk_public>/omk/css/opReports_report.css	<relative url>	copied into the report output dir if not present; included in zip and emailed reports
opreports	opreports_default_js	<omk_public>/omk/js/opReports_report.js	<relative url>	copied into the report output dir if not present; included in zip and emailed reports
opreports	opreports_custom_files	undef		list of other files (e.g. logos) to copy/include with html reports e.g. ['/path/to/my/logo.png', '/some/other/file.jpg']
opreports	opreports_output_dirs	['<omk_reports>']	<relative filepaths>	authorized output directories for opreports on-demand reports are always saved in <omk_reports_ondemand>
opreports	opreports_availability_nodata_separate	false	true, false	availability report: treat 'no data' periods as separate from up/down, or include those in up?

opreports	opreports_availability_average_packetloss	false		true, false	availability report: 'opreports_availability_average_packetloss' defaults to false: false: "Percentage of readings with some amount of packet loss (Count readings with any packet loss / Number of readings)" true: "Average Packet Loss (Sum of packets lost / Number of readings)"
opreports	opreports_ms_availability_strict	false		true, false	monitored_services report: treat 'no data' periods as 'not down' unless 'opreports_ms_availability_strict' set 'true': defaults to false
opreports	default_report_keep_for	{ 'daily' => 40, 'weekly' => 48*7, 'monthly' => 24*31, 'yearly' => 5*365, 'on-demand' => 42 }			how many days scheduled reports are kept if the schedule doesn't specify a limit and also covers on-demand reports via the pseudo-frequency 'on-demand'
opreports	opreports_selftest_rules	{ 'last_scheduler' => 3*3600, 'min_diskfree' => 10, 'max_jobage' => 3*3600 }			
opreports	report_ups_configured_models	POWERALERT-APC => { 'exclude_nodegraphs_in_this_report_type' => 'health, upspwr,upsbattemp' }, POWERALERT-ups => { 'exclude_nodegraphs_in_this_report_type' => 'health, upspwr,upsbattemp' },			configuration settings for UPS Configured Models Report:
opreports	report_wan_levels	'1' => { "name"=>"Default", "description" => "The Default report contains a modest default level of details.", "extras" => "ResponseTime,InOutErrorDiscards, AvgMaxInOutBits", }, '2' => { "name"=>"Full Detail", "description" => "The Full Detail report includes all known options.", "extras" => "ResponseTime,InOutErrorDiscards, AvgMaxInOutBits,ErrPct,ErrExc,DiscPct,DiscExc,Uti95, UtiExc", }			# known extras that can be specified: # ResponseTime: shows the response time # InOutErrorDiscards: includes interface discard and error stats # AvgMaxInOutBits: includes average and max of transfer rates # ErrPct: include maxima of in/out error percentages # ErrExc: include number of exceptions above wan_error_exception_threshold # DiscPct: include maxima of in/out discard percentages # DiscExc: include number of exceptions above wan_discards_exception_threshold # Uti95: include 95th percentile of in/out utilisation # UtiExc: include number of exceptions above wan_util_exception_threshold
opreports	report_summary_levels	Low' => { "threshold" => -1, "description" => "Low Util (<= 45%)", "color" => "green" }, "Minor" => { "threshold" => 45, "description" => "Minor Util (<= 80%)", "color" => "yellow"}, "Major" => { "threshold" => 80, "description" => "Major Util (> 80%)", "color" => "red" },			for the link categorisation in the traffic summary report threshold is compared against utilisation (lowest cat with util > threshold is chosen)
opreports	report_jcos_levels	default' => { 'util' => { 'ok' => { description => "<70%", threshold => -1, color => "" }, 'yellow' => { description => ">70%", threshold => 70, color => "#ffff00" }, 'orange' => { description => ">80%", threshold => 80, color => "#ff8900" }, 'red' => { description => ">90%", threshold => 80, color => "#ff0000" }, }, 'uti95th' => { 'ok' => { description => "<90%", threshold => -1, color => "" }, 'yellow' => { description => ">90%", threshold => 90, color => "#ffff00" }, 'orange' => { description => ">95%", threshold => 95, color => "#ff8900" }, 'red' => { description => "100%", threshold => 100, color => "#ff0000" }, }, 'dropped' => { 'ok' => { description => "0%", threshold => -1, color => "" }, 'yellow' => { description => "<5%", threshold => 0, color => "#ffff00" }, 'orange' => { description => ">5%", threshold => 5, color => "#ff8900" }, 'red' => { description => ">10%", threshold => 10, color => "#ff0000" }, }, },			for colorisation of the juniper cos report
opreports	report_groupedavailability_levels	default' => { 'lowest' => { description => "<98%", threshold => -1, color => "#ff0000" }, 'low' => { description => "98 < 99%", threshold => 98, color => "#ff8900" }, 'high' => { description => "99 < 100%", threshold => 99, color => "#ffff00" }, 'good' => { description => "100%", threshold => 100, color => "" }, },			for categorisation and coloration of the grouped availability report
opreports	report_node_availability_colors	down' => #d9534f, 'unreachable' => #e6e619', 'up' => #59cf59, 'partially_reachable' => #288a28'			for custom node availability colors.

report_sna pshot_levels	binary	"Low" => { "color" => "green", "description" => "Low Util", "threshold" => -1 }, "High" => { "color" => "red", "description" => "High Util", "threshold" => 50 }			for colorisation in the traffic snapshot report threshold is compared against utilisation (lowest cat with util > threshold is chosen)
report_sna pshot_levels	quarters	lowest' => { 'color' => "#93cc5e", "description" => "<10%", threshold => -1 }, 'quarter' => { 'color' => "#ffa48", "description" => "10-25%", threshold => 10 }, 'secondq' => { 'color' => "#f8e31a", "description" => "25-50%", threshold => 25 }, 'upperhalf' => { 'color' => "#ff2121", "description" => ">50%", threshold => 50 },			for colorisation in the traffic snapshot report threshold is compared against utilisation (lowest cat with util > threshold is chosen)
report_sna pshot_levels	fifths	"lowest" => { "color" => "#004d00", "description" => "under 1%", "threshold" => -1, }, "firstthird" => { "description" => "1-30%", "color" => "#008000", "threshold" => 1, }, "secondthird" => { "color" => "#00ff00", "description" => "30-60%", "threshold" => 30, }, "prettyhigh" => { "threshold" => 60, "color" => "#c6ff1a", "description" => "60-80%", }, "veryhigh" => { "color" => "#ffa31a", "description" => "above 80%", "threshold" => 80, },			for colorisation in the traffic snapshot report threshold is compared against utilisation (lowest cat with util > threshold is chosen)
report_wan _distributio ns	Default WAN Distribution Levels Descending	"group4" => { "description" => "<=30%", "min" => 0, "max" => 30, }, "group3" => { "description" => ">30% <=70%", "min" => 30, "max" => 70, }, "group2" => { "description" => ">70% <=90%", "min" => 70, "max" => 90, }, "group1" => { "description" => ">90%", "min" => 90, "max" => 1000000, },			
report_wan _distributio ns	Default WAN Distribution Levels Ascending	"group1" => { "description" => "<=30%", "min" => 0, "max" => 30, }, "group2" => { "description" => ">30% <=70%", "min" => 30, "max" => 70, }, "group3" => { "description" => ">70% <=90%", "min" => 70, "max" => 90, }, "group4" => { "description" => ">90%", "min" => 90, "max" => 1000000, },			groupings for wan utilization distribution reports: groups will be displayed sorted on groupname ascending. max max set to an unusually high 1000000% as a catchall since values > 100% can be expected. the 'first' of the 2 options presented here 'Default WAN Distribution Levels Descending' is the default option. for on-demand scheduling GUI the 'last' of the 2 options presented here 'Default WAN Distribution Levels Ascending' is set as default in GUI
opreport_ru les	condition_low_wanutil	false		true, false	false: define acceptable utilisation as anything below wantil_high. true: acceptable utilisation is between wanutil_ok and wanutil_high
opreport_ru les	cpu_veryhigh	30		<integer>	
opreport_ru les	cpu_high	20		<integer>	
opreport_ru les	cpu_moderate	12		<integer>	
opreport_ru les	cpu_exception_thresh old	20		<integer>	
opreport_ru les	mem_free_verylow	10		<integer>	

opreport_rules	mem_free_low	25		<integer>	
opreport_rules	iomem_free_verylow	10		<integer>	
opreport_rules	iomem_free_low	25		<integer>	
opreport_rules	swap_veryhigh	50		<integer>	
opreport_rules	swap_high	20		<integer>	
opreport_rules	swap_moderate	10		<integer>	
opreport_rules	reachability_verylow	99.9		<decimal>	
opreport_rules	reachability_low	99.999		<decimal>	
opreport_rules	availability_verylow	80		<integer>	
opreport_rules	availability_low	95		<integer>	
opreport_rules	qos_highutil	75		<integer>	
opreport_rules	qos_lowutil	1		<integer>	
opreport_rules	qos_droppkt	1		<integer>	
opreport_rules	uptime_shortest_days	7		<integer>	
opreport_rules	uptime_longest_days	365		<integer>	
opreport_rules	response_exception_threshold	10		<integer>	
opreport_rules	wan_nettypes	wan		<regex>	should be a regular expression: nodes with nonmatching network types are ignored
opreport_rules	wan_availability_low	99.9		<decimal>	
opreport_rules	wan_availability_verylow	95		<integer>	
opreport_rules	wanutil_veryhigh	80		<integer>	
opreport_rules	wanutil_high	65		<integer>	
opreport_rules	wanutil_ok	20		<integer>	
opreport_rules	wanutil_low	10		<integer>	
opreport_rules	wanutil_max_ok	80		<integer>	
opreport_rules	wanutil_max_low	80		<integer>	
opreport_rules	wanutil_exception_threshold	60		<integer>	
opreport_rules	wan_error_exception_threshold	1		<integer>	
opreport_rules	wan_discards_exception_threshold	1		<integer>	
opreport_rules	wan_errors_high	1		<integer>	
opreport_rules	wan_discards_high	1		<integer>	