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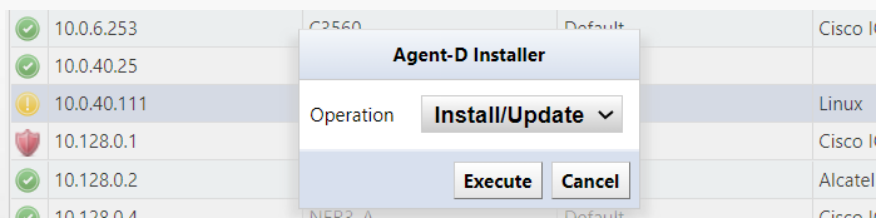## Network Configuration and Change Management

Agent-D

Introduction – What is Agent-D?

➢ Agent-D is an agent installed on either Linux or Windows servers that runs in the background of the server. It can perform monitoring functions, collect metrics and send alerts/traps on the below functions.
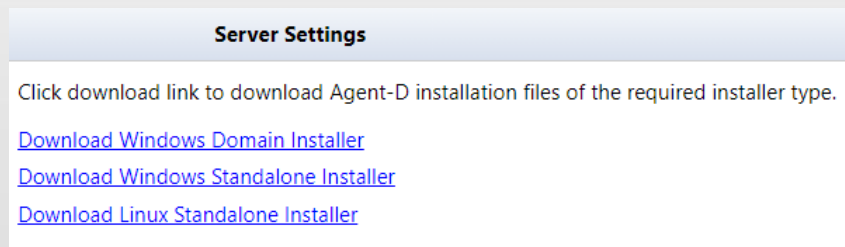
- CPU
- Disk
- Memory
- Process
- Syslog monitoring

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How it works

- ➢ Agent-D can be installed two different ways

  - ➢ From ThirdEye – right click on server, select Agent-D

  - ➢ Download from ThirdEye and install on server

How it works

> Add the appropriate templates to the device from the template library
> Configure what you want to monitor
> - How often to pull data
> - Fields/metrics to monitor
> - Setup any alerts/traps to notify when there are issues

Device Monitor

➤ In the Device monitor section, you can visualize the parameters and settings.

Device Monitor

Linux Disk Stats

Device	Free (B)	Total (B)	Used (B)	Used (
dm-0	28827955200	31047847936	2219892736	
sda1				

ThirdEye - Linux Memory Stats - sales-linux - Google Chrome

⚠ Not secure | 10.0.0.182/nui/graph.html?uuid=bb965ffc-57c9-5244-8e85-a2fe1456a524&network=Default&monitorId=36&metrics=available_percent

Linux Memory Stats - sales-linux

2 hours

available_percent

Linux Memory Stats

Active:	265367552
Available:	1514545152
Buffered:	3346432
Free:	1361985536
Total:	1904889856
Used:	210190336
Available (%):	79.51
Used (%):	11.03
Swap Free:	2218782720
Swap Total:	2218782720

Close
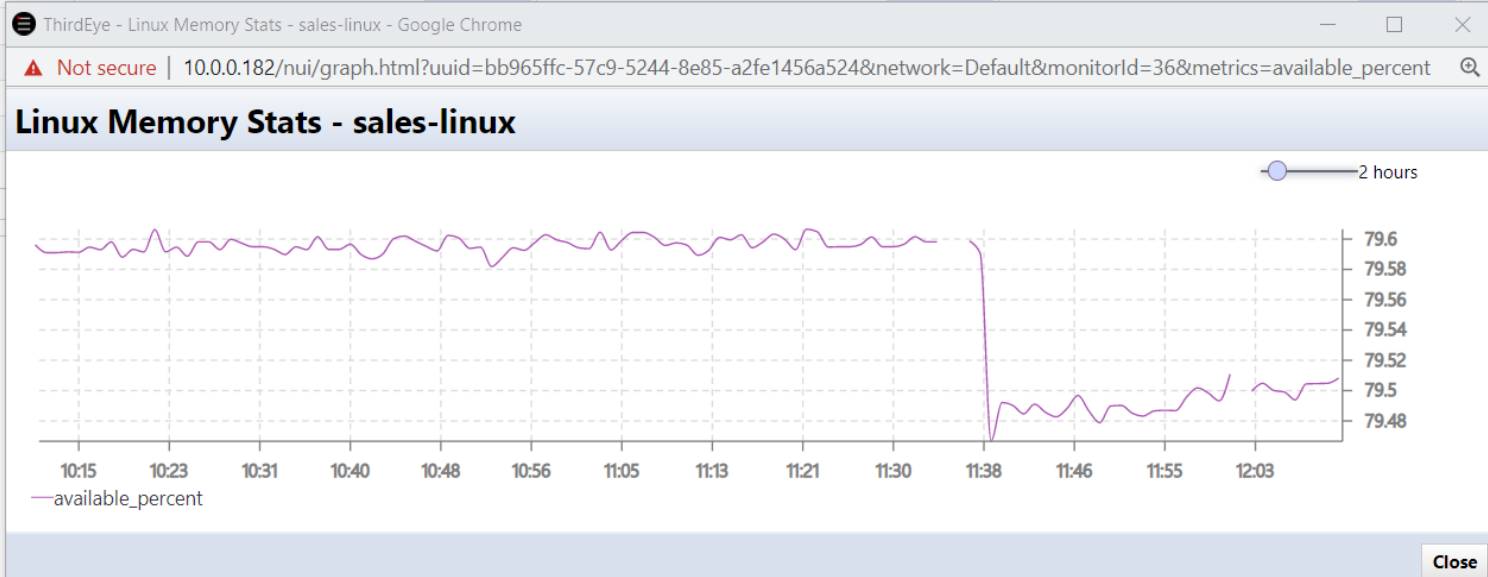
➢ Clicking on any of the values, in any section, will popup a display that will graph that value. Display is configurable to show time from 1 hour up to 2 years

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- ➢ Agent-D results can be displayed in the Dashboard, exported to a file, or downloaded via API.
- ➢ Additionally, any alerts/traps can also be displayed for monitoring purposes.

Agent-D metrics

CPU STATS
time_active
time_guest
time_guest_nice
time_idle
time_iowait
time_irq
time_nice
time_softirq
time_steal
time_system
time_user
usage_active
usage_guest
usage_guest_nice
usage_idle
usage_iowait
usage_irq
usage_nice
usage_softirq
usage_steal
usage_system
usage_user

DISK STATS
free
inodes_free
inodes_total
inodes_used
total
used
used_percent

MEMORY STATS	
active	mapped
available	page_tables
available_percent	shared
buffered	slab
cached	sreclaimable
commit_limit	sunreclaim
committed_as	swap_cached
dirty	swap_free
free	swap_total
high_free	total
high_total	used
huge_page_size	used_percent
huge_pages_free	vmalloc_chunk
huge_pages_total	vmalloc_total
inactive	vmalloc_used
low_free	wired
low_total	write_back
	write_back_tmp

PROCESS STATS	
child_major_faults	process_name
child_minor_faults	read_count
cpu_time	read_tytes
cpu_time_guest	realtime_priority
cpu_time_guest_nice	rlimit_cpu_time_hard
cpu_time_iowait	rlimit_cpu_time_soft
cpu_time_irq	rlimit_file_locks_soft
cpu_time_nice	rlimit_memory_data_hard
cpu_time_soft_irq	rlimit_memory_data_soft
cpu_time_steal	rlimit_memory_locked_hard
cpu_time_system	rlimit_memory_locked_soft
cpu_time_user	rlimit_memory_rss_hard
cpu_usage	rlimit_memory_rss_soft
cup_time_idle	rlimit_memory_stack_hard
involuntary_context_switches	rlimit_memory_stack_soft
major_faults	rlimit_memory_vms_hard
memory_data	rlimit_memory_vms_soft
memory_locked	rlimit_nice_prioity_soft
memory_rss	rlimit_nice_priority_hard
memory_stack	rlimit_num_fds_hard
memory_swap	rlimit_num_fds_soft
memory_usage	rlimit_realtime_priority_hard
memory_vms	rlimit_signals_pending_hard
minor_faults	rlimit_signals_pending_soft
nice_priority	signals_pending
num_fds	voluntary_context_switches
num_threads	write_bytes
	write_count