Omnissiah config

Omnissiah has two python files with settings - the omni_unpwd.py file which contains names, passwords, tokens, etc. and the omni_config.py file containing variables that affect the operation of other scripts.

omni_unpwd.py file variables

#	Variable	Value	Description
1	db_raw_user	raw	database username for raw layer
2	db_raw_password	raw	database user password for raw layer
3	db_info_user	info	database username for info layer
4	db_info_password	info	database user password for info layer
5	db_ref_user	ref	database username for ref layer
6	db_ref_password	ref	database user password for ref layer
7	db_src_user	src	database username for layer src
8	db_src_password	src	database user password for src layer
9	db_nnml_user	nnml	database username for nnml layer
10	db_nnml_password	nnml	database user password for nnml layer
11	db_shot_user	shot	database username for shot layer
12	db_shot_password	shot	database user password for shot layer
13	db_hist_user	hist	database username for hist layer
14	db_hist_password	hist	database user password for hist layer
15	db_main_user	main	database username for main layer
16	db_main_password	main	database user password for main layer
17	db_zbx_user	zbx	database username for zbx layer
18	db_zbx_password	zbx	database user password for zbx layer
19	netbox_token		token for access to Netbox API
20	enplug_networkid		id for access to Enplug API
21	enplug_bearer		token for access to Enplug API
22	activaire_api_key		token for accessing the Activaire API
23	mist_api_username		MIST API access username
24	mist_api_password		password to access MIST API
25	ruckussz_api_username		name for access to Ruckus wireless controllers
26	ruckussz_api_password		password to access Ruckus wireless controllers
27	zbx_userpasstoken	python dictionary with ro, rw and su keys	usernames, passwords and tokens of three users with different rights to access the Zabbix API

Table of variables in the omni_unpwd.py file

omni_unpwd.py file variables

#	Variable	Value	Program	Description
1	log_path	/var/log/omnissiah	any	path to log files
2	log_level	logging.ERROR	any	log level
3	log_format	%(asctime)s:%(levelname)s:%(name)s:%(message)s	any	log recording format
4	log_date_format	%Y%m%d:%H%M%S	any	date time format in log entries
5	dbtype	mariadb	any	database type (mariadb or pgsql)
6	dbhost	127.0.0.1	any	Database server IP address
7	dbname	omnissiah	any	database name

8	dbssl	True	any	using SSL when connecting to the database server
9	netbox_url	http://127.0.0.1:8001/	raw_netbox	URL for netbox
10	scan_subnet_role_filter	filter for WHERE section of SQL query	raw_scan	network loading filter for scanning
11	scan_processes_num	None	raw_scan, raw_map	number of processors used during scanning (None – determined automatically)
12	scan_rangeip_scope_size	256	raw_scan	number of hosts scanned in one nmap command
13	nmap_scan_list	list of dicts	raw_scan	nmap scan options
14	snmp_timeout	10	raw_snmp	SNMP timeout
15	snmp_retries	2	raw_snmp	number of SNMP retries
16	snmp_threads	100	raw_snmp	number of threads during SNMP polls
17	snmp_ping_scan	-n -T5 --host-timeout 15s -PE --disable-arp-ping –sn	raw_snmp	nmap options to run before getting ARP and MAC tables
18	snmp_ping_timeout	80	raw_scan, raw_snmp	SNMP timeout
19	nmap_map_list	list of dicts	raw_map	mapping nmap parameters
20	map_ip_scope_size	256	raw_map	number of hosts polled in one nmap command
21	nmap_max_script_value_len	16000	raw_map	maximum length of nmap script response
22	nmap_script_list	list of dicts	raw_map	mapping nmap parameters for nmap scripts
23	nmap_service_ports	dict of dicts	raw_map	nmap mapping parameters for nmap service
24	nmap_service_arguments	-n -Pn -T5 --host-timeout {0}s -sV --version-intensity {1} {2}	raw_map	nmap parameters when polling services
25	nmap_service_arguments_threadsnum	10	raw_map	number of threads when polling nmap service
26	nmap_max_service_servicefp_len	14000	raw_map	maximum response length when polling nmap service
27	nmap_os_arguments	n -Pn -T5 --host-timeout 180s -O --osscan-guess	raw_map	nmap parameters when polling OS
28	nmap_os_timeout	240	raw_map	nmap timeout when polling OS
29	nmap_os_filter	filter for WHERE section of SQL query	raw_map	filter addresses and ports to search for service
30	nmap_os_arguments_threadsnum	10	raw_map	number of threads when polling nmap OS

31	nmap_db_reconnect_delay	60	raw_map	pause before reconnecting to the database server
32	snmp_max_value_len	1000	raw_snmp	maximum length of SNMP response
33	ruckussz_threadsnum	20	raw_ruckussz	number of threads when polling Ruckus controllers
34	mgmt_roles	['mgmt']	src_addr	roles of management interfaces
35	input_ip_bits	ip_bits	nnml_prepare	name of the parameter type for neural network inputs
36	input_netnum_bits	netnum	nnml_prepare	name of the parameter type for neural network inputs
37	input_word	word	nnml_prepare	name of the parameter type for neural network inputs
38	nnml_model_manufacturer	manufacturer	nnml_train, nnml_predict	neural network output type
39	nnml_model_devicetype	devicetype	nnml_train, nnml_predict	neural network output type
40	nnml_models_path	/var/lib/omnissiah/models	nnml_train, nnml_predict	path for saving and loading neural network models
41	nnml_model_filename	{0}/{1}_{2}	nnml_train	file name format for neural network models
42	hist_dumps_path	/var/lib/omnissiah/dumps	hist_dump	database dump path
43	hist_dump_filename	{0}/{1}_{2}.sql.gz	hist_dump	database dump file name format
44	zabbix_url	https://127.0.0.1/	zbx_omni2zbx, zbx_zbx2omni	URL to access Zabbix API
45	zbx_item_pool_size	10000	zbx_zbx2omni	Maximum number of elements in one Zabbix API response
46	zbx_omnissiah_maintenance_group	Omnissiah maintenance	zbx_omni2zbx	Maintenance name in Zabbix

Table of variables in omni_config.py file