

SO API Security Matrix

The following describes the SO API Security matrix for the Dublin release.

- Most of the SO interfaces support HTTP Basic Authentication without using HTTPS. Since the HTTP Basic Authentication password is encoded, not encrypted, use of HTTPS is a must.
- Authorization support is being verified, but it seems that most of them do not apply the authorization mechanism.

Related JIRA: [SO-2066](#) - SO API Security Matrix CLOSED

Component Pair	Communication Protocol	Authentication	Authorization	Comments
NBI				
VID SO	HTTPS (one-way TLSv1.1 or v1.2), HTTP (only in dev)	HTTP Basic Authentication, Server-side certificates	No	
UUI SO	HTTPS (one-way TLSv1.1 or v1.2), HTTP (only in dev)	HTTP Basic Authentication, Server-side certificates	No	
ExtAPI SO	HTTPS (one-way TLSv1.1 or v1.2), HTTP (only in dev)	HTTP Basic Authentication, Server-side certificates	No	
Ext Client SO Monitoring UI	HTTP	No	No	
Inter-ONAP Components				
SO SDC via DMaaP	HTTP	user+password	No	
SO SDC Query	HTTPS (one-way TLSv1.1 or v1.2), HTTP (only in dev)	HTTP Basic Authentication, Server-side certificates	Role? need to verify	check if SDC certificate is expired. If so, use HTTP
SO AAI	HTTPS, HTTP (only in dev)	HTTP Basic Authentication, Server-side certificates	? Permission specified by: type : instance :action :role	need to verify authorization
SO SDNC	HTTPS, HTTP (only in dev)	HTTP Basic Authentication, Server-side certificates	role? need to verify	
SO MultiCloud	HTTPS, HTTP (only in dev)	HTTP Basic Authentication, Server-side certificates	No	
SO VFC	HTTPS, HTTP (only in dev)	HTTP Basic Authentication, Server-side certificates	No	
SO OOF	HTTPS	HTTP basic authentication with clear password	No	
SO Sniro	HTTP	HTTP basic authentication with clear password	No	
SO Policy (Scaling)	HTTP	HTTP Basic Authentication	No	
SO APPC	HTTP	Secret	No	verify it
SO LOG	?			
CMSO SO	?			
SO DMaaP	HTTP	ConsumerGroup+Id		
PRH SO via DMaaP	HTTP	user+password		
SO DCAE (?)	?			Does SO have this interface?
SO Camunda DB	JDBC	id+clear text password	use of MariaDB authorization	
BPMN Infra OOF	HTTPS	user+password	No	
BPMN Infra Sniro	HTTP	HTTP Basic Authentication	No	
BPMN Infra Policy	HTTP	HTTP Basic Authentication	No	
BPMN Infra SDNC	HTTP	HTTP Basic Authentication	No	
BPMN Infra AAI	HTTPS	HTTP Basic Authentication	No	
BPMN Infra CDS	HTTP	HTTP Basic Authentication	No	
BPMN Infra Camunda BPM	HTTP	Id+clear text password	No	
BPMN Infra DMaaP	HTTP	ConsumerGroup+Id		

Openstack Adapter AAI	HTTPS	HTTP Basic Authentication	No	
Openstack Adapter BPMN-infra	HTTP	HTTP Basic Authentication	No	
Openstack Adapter Catalog DB Adapter	HTTP	HTTP Basic Authentication	No	
VFC-Adapter Request DB	JDBC	user+password	use of Maria DB authorization	
VFC-Adapter Request DB Adapter	HTTPS	HTTP Basic Authentication	No	
VNFM Adapter SDC	HTTPS	User+password	No	
SOL003 VNFM Adapter AAI	HTTPS	HTTP Basic Authentication		
SOL003 VNFM Adapter SDC	HTTP	HTTP Basic Authentication	No	SDC Certificate is expired, so it uses HTTP
SDC Controller SDC	HTTP	ConsumerGroup+Id	No	
Intra-SO Components				
SO db-secrets	N/A	db_admin-User+clear text password db_username+clear text password	N/A	secrets for mariadb
SDC Controller CatalogDB Adapter	HTTP	HTTP Basic Authentication	No	
SDC Controller Request DB Adapter	HTTP	HTTP Basic Authentication	No	
SDC Controller Request DB	JDBC	user+password	use of Maria DB authorization	for mariadb
SDNC Adapter Catalog DB Adapter	HTTP	HTTP Basic Authentication	No	
Request Handler Request DB Adapter	HTTP	HTTP Basic Authentication	No	
Request Handler BPMN Infra	HTTP	HTTP Basic Authentication	No	
SO Monitoring UI Monitoring Service	HTTP	No	No	
SO Monitoring Service BPMN Infra	HTTP	HTTP Basic Authentication	No	
BPMN Infra Catalog DB Adapter	HTTP	HTTP Basic Authentication	No	
BPMN Infra Request DB Adapter	HTTP	HTTP Basic Authentication	No	
BPMN Infra SDNC Adapter	HTTP	HTTP Basic Authentication	No	verify it
BPNN Infra OpenStack Adapter	HTTP	HTTP Basic Authentication	No	verify it
BPMN Infra VFC Adapter	HTTP	HTTP Basic Authentication	No	verify it
BPMN Infra SOL003 VNFM Adapter	HTTP	No	No	Currently, it is intra-SO communication.
SDNC Adapter Catalog DB adapter	HTTP	HTTP Basic Authentication	No	
VFC Adapter Request DB Adapter	HTTP	HTTP Basic Authentication	No	
SBI				
SDNC Adapter SDNC	HTTP	HTTP Basic Authentication	Role	
SOL003 VNFM Adapter SVNFM	HTTP	No	No	

SOL003 VNFM Adapter VNFM Simulator	HTTP	No	No	
VFC Adapter VFC	HTTPS, HTTP (only in dev)	HTTP Basic Authentication, Server-side certificates	No	
APPC Client APPC	HTTP	secrets	No	