



OBSERVATION NETWORK MANAGER

NM10

)CA JULHO/ 2014 Ó Vaisala





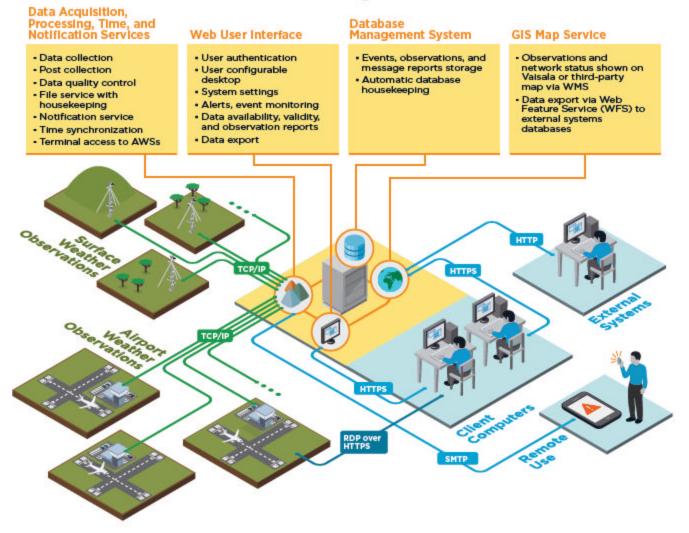
One Platform is All You Need

- Fully integrated system for efficiently managing weather observation networks
 - Remotely manage a wide variety of data sources
 - See everything from one place
 - Collect and maintain high-quality data from all your sites and keep your network up and running - continuously.
 - Fully scalable perfect for small and large networks
 - Reduce costs with the Commercial Off-The-Shelf (COTS) solution
 tailored for your exact needs
 - Improve efficiency with a remote connection control and diagnose the whole observation network
 - Stay up to date and take timely action
 - Store and export data





Vaisala Observation Network Manager NM10





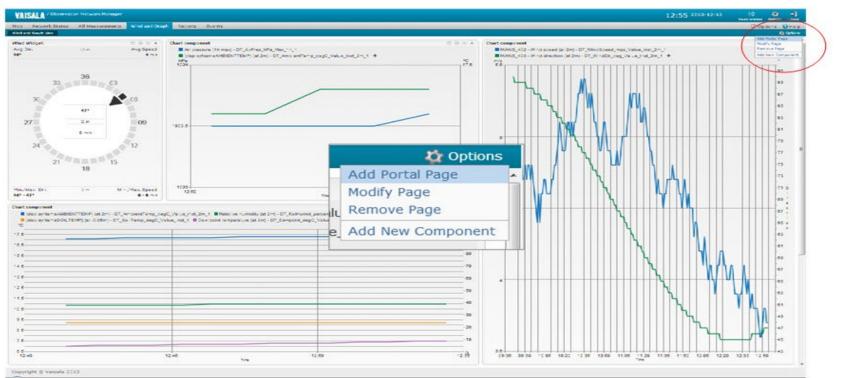
- Basic access authentication provided using HTTPS
- Access to the system restricted by username and password
- When the web client user logs out from the system the changes made are saved and they will be available the next time the user logs in

Valsala Observation Network Manager Login	
Login User hame Password Login	
	and a second sec





WebUI / Desktop Configuration Service



Supported web browsers Microsoft Internet Explorer (v. 9 or later), Mozilla Firefox (v. 25 or later) and Google Chrome (v. 31 or later).





Network Status List View

VAISALA / Observation	Network Mana	ger						9:1	24 AM 6/18/	14 👔 Active alar	(∥)) ms Sound enable		Q ptions	Logout
Map Network Status All	Measurements	Reports Even	ts Airport Systems Weather Stations								_		(j) (j)	Options
Observation Sites Servers	Communication	Devices												Options
All Measurements													1	¢⊡×
Table Information	Status	Site name	Last data received	Availability	Validity	Message c	Message in	Longitude	Latitude	Altitude	Faulty subs	Degraded		
	8	405	2014-06-18 08:49 +0300	6.667 %	6.667 %	4	60 s	25.0293	60.2526	32 m	C)	0	
Status: OK	8	407	2014-06-18 08-^		6.667 %	4	60 s	24.7148	60.1175	30 m	C)	0	
Status: Warning	l l	401	2014-06-18 09 405		96.667 %	58	60 s	24.9081	60.1555	5 m	C)	0	
Chakara Farra		402	2014-06-18 09 Error - data not i	received in 3 minute	96.667 %	58	60 s	24.9282	60.1527	3 m	C)	0	
Status: Error		403	2014-06-18 09:22 +0300	96.667 %	96.667 %	58	60 s	24.9671	60.1671	6 m	C)	0	
Status: No connection	E 💟	404	2014-06-18 09:22 +0300	96.667 %	96.667 %	58	60 s	25.0830	60.1656	12 m	C)	0	
		406	2014-06-18 09:22 +0300	96.667 %	96.667 %	58	60 s	24.8593	60.2506	40 m	C)	0	m
		408	2014-06-18 09:22 +0300	96.667 %	96.667 %	58	60 s	25.1685	60.2078	53 m	C)	0	
Additional information	0	409	2014-06-18 09:22 +0300	96.667 %	96.667 %	58	60 s	25.0205	60.4011	62 m	C)	0	
	0	410	2014-06-18 09:22 +0300	96.667 %	96.667 %	58	60 s	25.1838	60.2164	37 m	C)	0	
Availability •	0	411	2014-06-18 09:22 +0300	96.667 %	96.667 %	58	60 s	24.3296	60.4149	132 m	C)	0	
Validity -		412	2014-06-18 09:22 +0300	96.667 %	96.667 %	58	60 s	25.6653	60.3975	220 m	C)	0	
		413	2014-06-18 09:22 +0300	96.667 %	96.667 %	58	60 s	23,8402	61.4852	532 m	C)	0	
Message count	0	414	2014-06-18 09:22 +0300	96.667 %	96.667 %	58	60 s	29.1564	65.9780	478 m	C)	0	
Message interval -	0	415	2014-06-18 09:22 +0300	96.667 %	96.667 %	58	60 s	27.7144	64.2092	352 m	C)	0	
	0	416	2014-06-18 09:22 +0300	96.667 %	96.667 %	58	60 s	26.5746	67.4179	611 m	C)	0	
Longitude •	0	417	2014-06-18 09:22 +0300	96.667 %	96.667 %	58	60 s	28.8653	61.8778	122 m	C)	0	
Latitude	÷ 📀	EFHK	2014-06-18 09:22 +0300	96.667 %	96.667 %	58	60 s	24.9633	60.3172	55 m	C)	0	

VAISALA Alarms/Events Generation

- Error and info events generated by the system regarding
 - Data quality control service status
 - Database inserter and reader service status
 - Data collection/post-collection service status
 - Communication device (Sensor IO) service status
 - Server hardware status
 - Observations and events (ASCII) file log service status
 - Message parser service status

Map Network St	atus 🔰 All Measurements 👘 Wind and	i Graph Reports Events	🖏 Options 🔞	He
Event table			□ o x	< @
Pause update:	S			
Type	Time	Source	Nessage	
K Error	2013-12-16 15:22 +0200	DCP0/001_AWS_SENSOR	CO1 AWS sensor missing cata	
Error	2013-12-16 15:22 +0200	MAWS_401/0C1_AWS_SENSOR	Unknown message type	
Error	2013-12-16 15:20 +0200	MAWS_421/021_AWS_SENSOR	NESSAGE_ID: 0 MEASUREMENT P15 FAILED PERSISTENCE CHECK WITH VAL	LUE
i Info	2013-12-16 15:20 +0200	MAWS 415/015 AWS SENSOR	OVER - MESSAGE _D: 0 MEASUREMENT P6 FAILED PERSISTENCE CHECK WIT	TH





Events List View

Map Network Status	All Measurements Reports	Events Southern Fin and No	rthern Finland
vest table			
Pause updates	Display: all events 🔻	Source filter:	Apply changes Clear filters
l/pe	Time	Source	Message
Info	2014-05-23 13:38 +0300	DCP0/DC1_AWS_SENSOR	CVER - POST-COLLECTION ACK TIMEOUT FOR SITE 401
Info	2014-05-23 13:08 +0300	DCP0/DC2_AWS_SENSOR	CVER - POST-COLLECTION ACK TIMEOUT FOR SITE 402
Info	2014-05-23 13:08 +0300	DCP0/DC3_AWS_SENSOR	CVER - POST-COLLECTION ACK TIMEOUT FOR SITE 403
Info	2014-05-23 13:08 +0300	DCP0/0C4_AWS_SENSOR	CVER - POST-COLLECTION ACK TIMEOUT FOR SITE 404
Info	2014-05-23 13:08 +0300	DCP0/DC5_AWS_SENSOR	CVER - POST-COLLECTION ACK TIMEOUT FOR SITE 405
Info	2014-05-23 13:08 +0300	DCP0/DC6_AWS_SENSOR	CVER - POST-COLLECTION ACK TIMEOUT FOR SITE 406
Info	2014-05-23 13:08 +0300	DCP0/DC7_AWS_SENSOR	CVER - POST-COLLECTION ACK TIMEOUT FOR SITE 407
Info	2014-05-23 13:08 +0300	DCP0/DC8_AWS_SENSOR	CVER - POST-COLLECTION ACK TIMEOUT FOR SITE 408
Info	20:4-05-23 13:36 +0300	DCP0/JC9_AWS_SENSOR	CVER - POST-COLLECTION ACK TIMEOUT FOR SITE 409
Info	2014-05-23 13:08 +0300	DCP0/010_AWS_SENSOR	CVER - POST-COLLECTION ACK TIMEOUT FOR SITE 410
i Info	2014-05-23 13:08 +0300	DCP0/011_AWS_SENSOR	CVER - POST-COLLECTION ACK TIMEOUT FOR SITE 411
Info	2014-05-23 13:36 +0300	DCP0/D12_AWS_SENSOR	CVER - POST-COLLECTION ACK TIMEOUT FOR SITE 412
Info	2014-05-23 13:38 +0300	DCP0/013_AWS_SENSOR	CVER - POST-COLLECTION ACK TIMEOUT FOR SITE 413
Info	2014-05-23 13:08 +0300	DCP0/014_AWS_SENSOR	CVER - POST-COLLECTION ACK TIMEOUT FOR SITE 414
Info	20:4-05-23 13:08 +0300	DCP0/D15_AWS_SENSOR	CVER - POST-COLLECTION ACK TIMEOUT FOR SITE 415
Info	2014-05-23 13:08 +0300	DCP0/016_AWS_SENSOR	CVER - POST-COLLECTION ACK TIMEOUT FOR SITE 416
Info	2014-05-23 13:06 +0300	DCP0/017_AWS_SENSOR	CVER - POST-COLLECTION ACK TIMEOUT FOR SITE 417
Error	2014-05-23 13:05 +0300	DCP0/DC1_AWS_SENSOR	POST-COLLECTION ACK TIMEOUT FOR SITE 401
Error	2014-05-23 13:02 -0300	DCP0/DC2_AWS_SENSOR	POST-COLLECTION ACK TIMEOUT FOR SITE 402
Error	2014-05-23 13:03 +0300	DCP0/003_AWS_SENSOR	POST-COLLECTION ACK TIMEOUT FOR SITE 403
Error	20:4-05-23 13:05 +0300	DCP0/0C4_AWS_SENSOR	POST-COLLECTION ACK TIMEOUT FOR SITE 404
Error	2014-05-23 13:03 +0300	DCP0/DC5_AWS_SENSOR	POST-COLLECTION ACK TIMEOUT FOR SITE 405
Error	2014-05-23 13:03 +0300	DCP0/006_AWS_SENSOR	POST-COLLECTION ACK TIMEOUT FOR SITE 406
Error	2014-05-23 13:03 +0300	DCP0/007_AWS_SENSOR	POST-COLLECTION ACK TIMEOUT FOR SITE 407
Error	20:4-05-23 13:03 +0300	DCP0/DC8_AWS_SENSOR	POST-COLLECTION ACK TIMEOUT FOR SITE 408
Error	2014-05-23 13:03 +0300	DCP0/DC9_AWS_SENSOR	POST-COLLECTION ACK TIMEOUT FOR SITE 409
Error	20:4-05-23 13:33 +0300	DCP0/D10_AWS_SENSOR	POST-COLLECTION ACK TIMEOUT FOR SITE 410
Error	2014-05-23 13:03 +0300	DCP0/011_AWS_SENSOR	POST-COLLECTION ACK TIMEOUT FOR SITE 411
Error	2014-05-23 13:03 +0300	DCP0/012_AWS_SENSOR	POST-COLLECTION ACK TIMEOUT FOR SITE 412
Error	2014-05-23 13:33 +0300	DCP0/013_AWS_SENSOR	POST-COLLECTION ACK TIMEOUT FOR SITE 413
Error	2014-05-23 13:03 -0300	DCP0/014_AWS_SENSOR	POST-COLLECTION ACK TIMEOUT FOR SITE 414



VAISALA

Minimum System Hw

Requirements*



 Processor 	2.0+ GHz, 4-core CPU or higher
• RAM	8GB or higher (without GIS map) 16GB or higher (with GIS map)
 Hard drive 	300GB or higher (with standard GIS map) 1TB or higher (with enhanced GIS map)
 Operating system 	Microsoft Windows Server 2008 R2
 Ethernet 	10/100/1000MB
 Other peripherals 	DVD RW drive, keyboard, mouse
 Monitor resolution 	1366 x 768 or higher

*Exact system requirements for computer hardware is dependent on number and type of observation sites connected, amount of data collected, data acquisition interval(s), data storage time, maximum number of concurrent web clients connected and features selected by the customer.

