

BIDEye v2.1

User Manual



Revision History

Date	Revision	Description
03/12/2019	InitialRevision	
06/05/2020	2	Add User management and icons
10/07/2020	3	Axians Brand id logo

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1. Introduction

BIDEye is a product composed of a series of plugin MIP for Milestone that allow the integrated management of SATEL Integra stations. This document describes the software installation and configuration procedure.

2. Requirements

BIDEye has the following Hardware and software requirements:

2.1 Hardware

BIDEye works in the Milestone Event Server application context. It means that BIDEye is a function of host Milestone hardware configuration. The impact on the performance of the event server depends on the number of Satel Stations that simultaneously workon the same host, and even depends on the number of contemporarily managed events. In general, particular configurations which differ from sizing considerations done for Milestoneare not required.

2.2 Software

BIDEye versione 2.1

- Milestone: Milestone professional version 2019 R1 and later.
- Firmware SATEL version: 2.05 2018-09-07 and later

3. Installation

When you have obtained the installation kit, you will have to run it by starting the installation procedure.

The kit allows the installation of all necessary files, both in the scope of Event Server (with initialization of basic data specific to BIDEye) and also in the context of Smart Client to be used at the client workspace, which is seperate from the context of Event Server. If there is only one installation in your scenario in which the Smart Client is present on the same machine of the Event Server, only the one installation server is necessary.

The first screen contains the choice of language: the languages currently supported are Italian and

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English.

Selezior	na la lingua dell'installazione	\times
1 2	Seleziona la lingua da usare durante l'installazione.	
	English	\sim
	OK Annulla	1

After selecting the language, you are asked to accept the license agreement:

 I accept the agreement 		
I do not accept the agreement		
	Neuto	
	Next >	Cance



Select the folder where the Milestone pluginsare. It will propose Milestone standard installation path. Using the browsebutton, you can change the path.

For a Server side installation, it is necessary to provide the path where the plugins are present in the context of the event server.

In a typical server installation, the plugins are located in the folder:

- C:\Program Files\Milestone\MIPPlugins

While in typical client installation, the plugins are located in the SmartClient folder:

- C:\Program Files\Milestone\XProtect Smart Client\MIPPlugins

🕵 Setup - BIDEye version 2.1.12.1553	-	□ X
Milestone must be installed on the system Insert Milestone plugin folder		
Select MIPPlugins folder:		
C:\Program Files\Milestone\MIPPlugins	B	rowse
< <u>B</u> ack <u>N</u>	ext >	Cancel

Image2 – Folder path selection Milestone Plugin

BIDEye requires the use of a database in order to maintain applied configurations and references to the areas of Satel centers. The installation procedure automatically creates a new database in the same Milestone SQLServer context/instance.

The screen keepsthe "initializes database" field preselected. If the flag is removed, the installation kit will copy just the plugin and configuration files.

Pay attention:

Milestone database does not change, instead a new autonomous database is added.

🕵 Setup - BIDEye version 2.1.12.1553	_	□ X
Installation Type Insert SQL Server connection parameters		
Install/Upgrade in Milestone Event Server		
SQL Server address: SRVMILESTONE Port: 1433		
✓ Initialize/Upgrade Database		
○ Install/Upgrade in Milestone Smart Client		
Only files will be copied		
< Back Nex	×t >	Cancel

Image 3 – Initialization of the BIDEYE database

If you only want to install the plugins, select "Installation in Smart Client".

Click Nextand insert the BIDEYE installation folder, which by default is C:\BIDEYE. This folder containslog files, language filesand possible generated reports(if the installed reports module is present).

🔀 Setup - BIDEye version 2.1.12.1553	_		x
Select Destination Location Where should BIDEye be installed?		¢	
Setup will install BIDEye into the following folder.			
To continue, click Next. If you would like to select a different folder, click Browse.			
::\BIDEye	E	Browse	
Able at 10.1 MD of first did, so as is used in d			
At least 16.1 MB of free disk space is required.			
< Back Ne	ext >	Car	ncel

Image 4 – Inserting theBIDEye folder

Click "Next" to end the data collection phase:

🕵 Setup - BIDEye version 2.1.12.1553	_	• x	
Ready to Install Setup is now ready to begin installing BIDEye on your computer.			3
Click Install to continue with the installation, or click Back if you want to review or chang	ge any set	tings.	
Destination location: c:\BIDEye			
		· ·	
< Back Ir	nstall	Cancel	

Image5 – End of data collection

By clicking the button "install" the system will create the database and copy all necessary files.



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🔀 Setup - BIDEye version 2.1.12.1553		_		x
	Completing the BIDEye Setu Setup has finished installing BIDEye on your compu Click Finish to exit Setup.		zard	
	F	inish		

Image6 – Installation completed

At the end of the installation, items installed will be:

- The BIDEye service folder (typically present in c:/BIDEye)

ame	Date modified	Туре	Size
conf	20/01/2020 17:37	File folder	
images	05/12/2019 04:42	File folder	
lang	26/07/2019 08:15	File folder	
logs	23/01/2020 11:54	File folder	



- Image 9 lists Milestone plugins (BidsatelAI, AlarmPreview and eventually BIDEyeReport)



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typically present in folder: C:/Program Files/Milestone/MIPPlugins

↑ → This PC → Local Disk (C:) → Program Files → Milestone → MIPPlugins						
Name	 Date modified 	Туре	Size			
	20/01/2020 20:52	File folder				
📙 BIDEyeReport	20/01/2020 20:52	File folder				
📙 BidSatelAl	20/01/2020 20:49	File folder				

Image 8 – MIPPlugins folder content

4. BIDEye CONFIGURATION

When the installation phase ends, system configuration must be completed. This phase requires the inclusion of general configuration parameters, and specific parameters for every added center.

4.1 General configuration

Firstly, restart Milestone EventServer. Secondly, load the Management Client to carry out the configurations. Load the "options" of Milestone and scroll the list of tabs to the end:

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Options					x
Analytics Events Customer Dashbo	ard Alarms and Events	Generic Events	BIDEYE Configuration		< ب
DBMS & Report Events License					
SQL Address					
SQL Server instance name	Authentic				
LAPTOP-D2ALFCQR	Windows	\$	✓ Test		
Jasper Report server					h I
JasperServer base Url		min Username	Admin password	Test	1
http://localhost:8083/jasperserver/		peradmin		Test	
	-				
Help			OK	Cancel	

Image9 – Tab option BIDEye: DBMS & Reprots

In the first TAB "DBMS & Report" do the following:

• Insert the instance name of SQL Server.

Normally, the instance name is the same as the hostname. In order to recover the hostname, you have to open a cdm session and execute the command **hostname**.

- Keep the setting "Windows Authentication"
- If the BIDEyeReport plugin is present, insert the JaspeServer url and login credentials.

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Options					×
Analytics Events	Customer Dashboard	Alarms and Events	Generic Events	BIDEYE Configuration	< ->
DBMS & Report	Events License				
Zone-ByP	nper m nper-Alarm m-Memory m-Tamper-Memory	^	Service admin		upped events
Zone-Long Zone-Isola	g-Violation-Trouble ate ked ked-Memory tate	*			
Help				OK	Cancel

Image10 – Tab option BIDEye: Events

In the second tab "Events" do the following:

- Keep all settled values.
- By default only Zone-Alarm-Memory event is set (CentralUnreachable is mandatory). If you
 want to manage some other alarms, check the selection and restart the event server.
 Reconfiguring the alarms will be necessary.
- If you want to manage the activation / deactivation of the outputs directly through the Milestone rules, insert a SATEL operator pin with permission to activate and deactivate the outputs. See below for details of the functionality.

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• Event Group Events is reserved for future use.

Options				x	
Analytics Events Customer Dash	board Alarms and Events	Generic Events	BIDEYE Configuration	< ب>	
DBMS & Report Events License]				larms - to learn more, or
Load and overwrite license:	Load file Comp	uter ID	PlugIn License State	e: Active	
serial_number:e0787f13-7268-4a customer_name:SRVMILESTON expire:no licensed_zones:16 licensed_output:16 computer_id:83D9-8F17-9A29-19 licensed_central:	E				
has_map:yes has_reports:yes	Open				X
has_federation:yes licensed_commands:ClearAlarm: ZonesBypass ArmedPartitionsRe		This PC > Des	ktop 🗸	ъ 🔎 Sear	ch Desktop
has_output_rules:yes license_type:platinum has_user_management:yes	Organise 👻 New	folder			≂ · · ?
	💻 This PC	^			Â
	🧊 3D Objects				
	📃 Desktop				=
	🔮 Documents	=			
	🕂 Downloads	=	Antonio.bin	CertFull.bin	CertFull_Platinu m.bin
	🎝 Music				m.bm
	📰 Pictures	~			~
Help	F	ile name:		✓ License fil	
				Oper	n Cancel

Image11 – Tab License: load license file

In the third and last tab "License" load the license file.

To receive the license file it is necessary to provide the computer id obtainable through the appropriate key

After uploading the license file, you **can** check the correct matches.

Attention:

If the license is updated, it will be necessary to restart the event server to read it.

4.2 Configuration of centers

The configuration of the centers is done in "Controllers". This field is in "plug-in MIP":

Allarmi Plug-in MIP BIDEye Controllers Partitions Cones Outputs

Image12 - Tree graph of the Satel Center items configurable in BIDEye

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By selecting controllers, the window of configurated centers appears.

During the first installation, this list appears empty. For this reason, it is necessary to add a new one:

E 🚔 Controlle	-	Collapse		
	·	Add New	Ctrl+N	
	2	Refresh	F5	
	_			

Image13 – New SATEL Center added

Give a name to the center.

Attention:

A center's name must be composed of a custom part followed by "_" and the host name of Event Server. This operation is necessary for identification on the network.

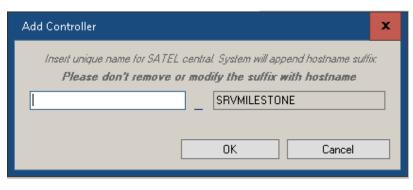


Image14 –Naming the new Center

After the center has been added, complete the configuration by adding the various parameters:

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Controller	Information	n						
FillBy								
Enabled					uthoritation (usemam		Closing reason:	
ID:		1 Plugir	n License State: Active		·=·	~	Motivo 1	~
Central n	ame	test_WIN-U608	V5010TV				Motivo 2 Motivo 3	
IP Addre	98	158.246.25.154	9094					
Test	Test Central State: Connected							
			nware version: v2.07 2020	H04-17 [C			× .
Polling (ns)	1000	~		Synchronization SAT			
		Control	Command Satel	Read Events		Satel Zone/Partitions/Outputs		
Admin to	ols:				Sync completed			
Re	move item b	by Guid F	Remove all map items					
Informat	ion							
Partitio	ns Zones	Outputs Groups	s Manage Users Read	Events Scheduler				
	Controlle Id	r Partition Number	Partition	Creation date	Last modified date			
+	1	1	Office	09/12/2020 22:26	09/12/2020 22:26			
	1	2	Parking	09/12/2020 22:26	09/12/2020 22:26			
	1	3	Store	09/12/2020 22:26	09/12/2020 22:26			
	1	4	Tecnica	09/12/2020 22:26	09/12/2020 22:26			
	1	5	Porte visitatori	09/12/2020 22:26	09/12/2020 22:26			

Image15 – Centerl configuration

- Enabled: Yes/No. Yes/No. If yes, the center is managed by event server.
- ID: unique identifier. Automatically managed by system. Not modifiable.
- Name of the center: The center's name MUSTALWAYS be something like: <CUSTOM NAME>_<EVENT SERVER MACHINE NAME>
- IP Address: IP Address/Center's name.

Attention: the system supports many centers, but each center must have a different IP address. If you need to have more than one center on the same IP address but on different doors, you have to insert in this field a unique network name (for example inserting many aliases in host files or in a dns).

- Integration port: insert center's port. This is the integration port of the INTEGRA
 Center, through which the Center communicateson Integra protocol. The default
 port is 7094(remember to enable the integration port on SATEL center).
- Test: connectivity check button with the center. It only works if the flag " Enable" is not selected. If the test is successful, the firmware version of the center is displayed.
- Polling: Enter the number of milliseconds for polling towards the center. **Attention**: in a context with many centers on the same event server, to avoid increasing the workload, we recommend not dropping below one second.

• Control and Command: select both the flags. To disable the integration between Milestone and SATEL Center, remove "Control" flag. To disable sending commands remove "Command" flag.

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 Authorizations: Attention: by default authorization list is empty. Insert some authotization. The authorizations refer to Milestone users. The operator connected in Milestone can be profiled based on the following commands (the commands that can actually be used are specified in the purchased license):

User name	Commands	Description
Milestone User	ClearAlarms	Clear alarms
Milestone User	CmdArmInMode0	Arm Partition mode 0
Milestone User	CmdArmInMode1	Arm Partition mode 1
Milestone User	CmdArmInMode2	Arm Partition mode 2
Milestone User	CmdArmInMode3	Arm Partition mode 3
Milestone User	CmdDisarm	Disarm Partition
Milestone User	ReadEvent	Read events register
Milestone User	CmdZonesByPass	Bypass temporary
Milestone User	CmdZonesUnbypass	Unbypass zone
Milestone User	ZonesBypass	Read zone bypassed
Milestone User	ArmedPartitionsReally	Read partitions status
Milestone User	CmdZonesIsolate	Bypass permanente
Milestone User	CmdOutputsOn, CmdOutputsOff, OutputsState	Outputs command

The configuration is very simple and is based on the rule:

- <username>=<command>[,<commando>]...
 - o User can execute listed commands
- *=<comando>[,<comando>]...
 - o All users can execute listed commands

- <username>=*
 - o User can execute all commands
- *=*
 - o All users can execute all commands

Example:

Operator1=ClearAlarms,CmdArmInMode0,CmdDisarm

Operator 2= CmdZones By Pass, CmdZones Unby pass, Zones By pass, Armed Partitions Really, CmdZones Isolate

Operator3=CmdOutputsOn,CmdOutputsOff,OutputsState

In this example:

Operator1 can delete alarms, arm and disarm partitions.

Operator2 can ban and restore areas and read map's status.

Operator3 can only read output statuses, activate and deactivate them.

Authoritation (username
Operator1=ClearAlarms,Operator1=CmdArmInMode0,Operator1=Cmd
Disarm,Operator1=ReadEvent,Operator1=CmdZonesUnbypass,Oper
ator1=CmdZonesByPass,Operator1=ZonesBypass,Operator1=Armed
PartitionsReally,Operator1=ClearAlarms,Operator1=CmdOutputsOn,O
perator1=CmdOutputsOff,Operator1=OutputsState



- Reasons: insert a simple list of reasons to be displayed in the client during the alarm closing phase.
- Save the configuration and update to refresh visualization
 - o Attention: the first SAVE must be done with flag Enabled not selected.

Attention: by default authorization list is empty. Insert some authotization

4.2.1 Synchronization with the SATEL Center

To activate synchronization with the SATEL center, press the SyncSatelZones/Partitions/Outputs button. This operation reads the partitions, zones, and events group to create a local

Rev. 3

representation to the plugin. Synchronization is always possible. **Attention:** when zones are deleted on the SATEL Center, synchronization will also remove them locally to the plugin. This implies, however, that all alarms configured on Milestone that refer to the removed zones will be invalidated and will need to be updated on Milestone. **The button is activated only after saving the configuration**.

After entering the IP and the port, and after checking reachability through the test button, you must synchronize the zones/partitions/outputs, reading by the SATEL Center. **Attention:** this operation is quite long and can take a few minutes (usually an integra 256 takes 2-3 minutes). At the end of the operation, an outcome message will appear.

Once the operation is complete, you can immediately check the synchronization by clicking the button "Load" .This button is situated at the bottom of the table that reads the zones/partitions/outputs synchronized. It is possible to make changes directly from the application for most of the data, but it must be considered that this functionality is advanced and should never be directly used.

The operation takes care of preparing the zones read by the Center to be displayed on the map (if the BIDEyeMap component is licensed).

At the end of the action, check that the zones have been correctly associated with the icons, browsing the zones, partitions and outputs sin the treeview Plug-in MIP --- BIDEye \rightarrow Controllers \rightarrow Zones/Partitions/Outputs

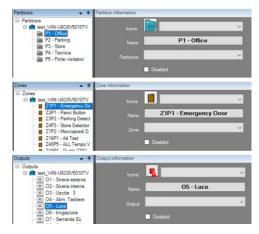


Image17 - List of icons created in BIDEyeMap

If you have already done previous installations of the same SATEL Center, like commodity actions, you can delete the items previously installed. Normally they should not be executed:

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- Button "Remove Sensor Map"
 - This commodity button gives you the possibility to delete all the references to icons created by previous button. Normally it should not be used. Attention: Deletion of all map items, INVALIDATES all configured Milestone alarms. It will therefore be necessary to re-synchronize the Center and modify any alarms by re-associating the appropriate zones.
- Button "Remove Item by GUID"
 - This commodity button allows you to delete Milestone configuration objects by using his GUID. This should be never used.

Generally, if you do configuration changes it is always possible to push the Milestone button "Save" (disk icon top left in the command bar) to save the changes to the Center.

Attention:

You can repeat this operation to add more centers.

5. Start of Center instances

When you have completed the configuration of the center, it will be necessary to activate it through the flag "Activate" to initiate it in the Event Server.

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- Central configuration	
Enabled	
ID:	6
Central name	SRVMILESTONE
IP Address	satelctrl 7094
Test Central Sta SATEL Firmware vers	ite: Not connected sion: N/A
Polling (ms)	5000 🗸
	🗹 Control 🗹 Command

Image18 – Center activation

After saving the changes, if the event server is active, it will receive the notification of configuration change, and the event server itself will restart automatically and will load new configuration. Attention:

To verify that the center has been correctly configured and activated, show the event server log "Show MIP Log":

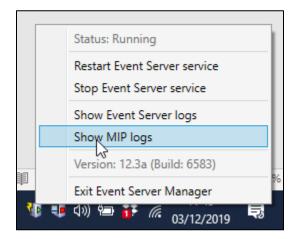


Image19 – Visualization of MIP Log

Visualization MIP Log

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2019-12-03 11:45:34.733 UTC+01:00 Info	BidSatelAIItemManager-getEventsToBeRegisteredallEventsEnabled: 12
2019-12-03 11:45:34.733 UTC+01:00 Info	BidSatelAIItemManager-getEventsToBeRegisteredgruppedEventEnable: True
	BidSatelAIItemManager-getEventsToBeRegistered gruppedEvents: 4
	BidSatelAIItemManager-getEventsToBeRegistered END
2019-12-03 11:45:34.733 UTC+01:00 Info	GetKnownEventTypes Load all events - Fine
2019-12-03 11:45:40.849 UTC+01:00 Info	LicenseManager Reading license from milestone
	BidEyeLicenseManager Found license information to validate
2019-12-03 11:45:40.928 UTC+01:00 Info	BidEyeLicenseManager License type: platinum with s/n: 20a652dc-e047-4d2f-8f90-86a4c5e7698f loaded and sign verified with: 11 items with LicenseManager v.1.0.13.514
2019-12-03 11:45:44.321 UTC+01:00 Info	SA_LAPTOP-D2ALFCQR TI:11 ms - CE: 47 - AS:0 - AM: 0
2019-12-03 11:45:44.400 UTC+01:00 Info	SA_LAPTOP-D2ALFCQR Esecuzione Comando Refresh All Map ICONS START.
	SA_LAPTOP-D2ALFCQR Esecuzione Comando Refresh All Map ICONS END.
2019-12-03 11:45:46.516 UTC+01:00 Info	SA_LAPTOP-D2ALFCQR TI:602 ms - CE: 24 - AS:0 - AM: 0
2019-12-03 11:45:49.572 UTC+01:00 Info	SA_LAPTOP-D2ALFCQR TI:348 ms - CE: 24 - AS:0 - AM: 0
2019-12-03 11:45:51.848 UTC+01:00 Info	SA_LAPTOP-D2ALFCQR TI:582 ms - CE: 24 - A5:0 - AM: 0
2019-12-03 11:45:53.962 UTC+01:00 Info	SA_LAPTOP-D2ALFCQR TI:534 ms - CE: 24 - AS:0 - AM: 0
0010 10 00 11 4F+FC 040 UTC+01+00 ToFo	

Image20 – License successfully loaded and reading states

In the log file you will see a message like this:

BIDEyeLicenseManager License type: platinum with s/n: 20a652dc-e047-4d2f-8f90-86a4c5e7698f loaded and sign verified with: 11 items with LicenseManager v. xxx

The system after activating the Center, issues a message such as the following:

- <CENTER_NAME> TI:602 ms CE: 24 AS:0 AM: 0
- With information that reminds:
- TI: time spent in milliseconds to update SATELCenter status _
- CE: number of commands executed to update the status -
- AS: alarms present inSATELCenter
- AM: alarmspresent inMilestone.

6. Install BIDEye in the Smart Client

If there are multiple seats, different from Milestone seat, you can install the plugins in the smart client by simplyexecuting the installation programand selecting "Installation in the Smart Client" as described in the installation chapter.

🔀 Setup - BIDEye version 2.1.12.15	53		-		x
Installation Type Insert SQL Server connection par	rameters			(
🔘 Install/Upgrade in Milestone E	vent Server				
SQL Server address: SRVM	IILESTONE Port: 1433				
🗹 Initialize/Upgrade Datab	ase				
Install/Upgrade in Milestone S	mart Client				
Only files will be copied					
vians Brand id sna	BidEve User Manual	Rev 3		Pagina?	5 (56)

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At the end of the installation:

- The BIDEye service folder (typically present in c:\BIDEye) or the one chosen during installation:

Vame 📍	Date modified	Туре	Size
conf	20/01/2020 17:37	File folder	
images	05/12/2019 04:42	File folder	
lang	26/07/2019 08:15	File folder	
logs	23/01/2020 11:54	File folder	

- The files related to the plugins in the smart client folder:

↑ 🕞 > This PC → Local Disk (C:) → Program Files → Milestone → MIPPlugins					
Name	-	Date modified	Туре	Size	
		20/01/2020 20:52	File folder		
📙 BIDEyeReport		20/01/2020 20:52	File folder		
📙 BidSatelAl		20/01/2020 20:49	File folder		

Image21 – Smart Client Plugin folder contents after copying from BIDEye

At this point, simply launch the Milestone smart client.

7. User management

The User Management platinum functionality allows you to replicate the functionality of the DLOADX software directly in the Milestone management console. In addition, the operator code can be changed in the smart client.

To access the functionality, select a control panel and open the "User management" tab:

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	sation						
By							
bled			Authoritation (username		Closing reason:		
	1. Plugin License State: /		·•*			in.	
al name	VALIGIA9094_WIN-AJVKHOIQKS	5L					
Idress	wb47s9digidvwada.myfritz.net	9094					
est							
	Central ETHM firmware version:				× .	2	
g (ms)	1000	Synchronization SATEL Station					
	Control Command	Satel Read Events	Sync Satel Zone/Partitions/Outputs		Use the "Sync Satel Central Zone / Partiti zones / partitions / outputs with the satel s	station with the local database and	
n tools:					generate the corresponding ICONS. Warn Erase commands can be used to remove	ning; this can take several minutes.	
Remove It	tem by Guid Remove all map its	ema				Dase commands can be used to remove data non the system.	
nation							
	ones Outputs Groups Manage Usen	Load	Loading user 8	of 8.			
Operator Co			Loading user 8 Duration	Code		Partitions User R	lights Looks
Operator Co	ode: 🚥 🖉	Load				0 -> arming	•
perator Co	ode: ••••• 🕢	Load Type	Duration	Code		0 -> aming 1 -> disaming	^
Operator Co Nur 1	nde:	Load Type 0: Normal	Duration	Code		0 -> aming 1 -> disarming 2 -> alarm clea 3 -> alarm clea	aring in own partitions aring in own object
perator Co Nur 1 2 3 4	nde: **** mber Name Adm Integrum Anm GPG	Load Type 0: Normal 0: Normal 0: Normal 0: Normal	Duration	Code		□ 0 > aming □ 1 > disaming □ 2 > alam dea □ 3 > alam dea □ 4 > alam clea	aring in own partitions aring in own object aring in whole system
Operator Co	nde: ****	Load Type 0: Normal 0: Normal 0: Normal 0: Normal	Duration	Code		0 > arming 1 > disarming 2 > alam clea 3 > alam clea 4 > alam clea 5 > arm defen 6 > code char	A arting in own partitions arting in own object arting in whole system tring nging
Aperator Co Nur 1 2 3 4 5 6	ode: mber Name Adm Integrum Amm GPG test 1 test 2	Load Type 0: Nomal 0: Nomal 0: Nomal 0: Nomal 0: Nomal 0: Nomal	Duration	Code		□ 0 → aming 1 → disaming 2 → alam dea 3 → alam dea 5 → am defer 6 → code cha 7 → users edd	A string in own partitions ating in own object ating in whole system ting ing ing
Dperator Co Nur 1 2 3 4 5 6 7	ode: """ Am Integrum Am Integrum Am Integrum text1 text2 Atorio Ulocite kisacono	Load Type C. Nomal C. Nomal C. Nomal C. Nomal C. Nomal C. Nomal C. Nomal C. Nomal	Duration	Code 		□ 0 → aming 1 → disaming 2 → alam dea 3 → alam dea 4 → alam dea 5 → am defer 6 → code cha 8 → zones byo 9 → clock set	A sing in own pattions sing in own object sing in whole system ing ng passing ing
Operator Co Nur 1 2 3 4 5 6	nde:	Load Type 0: Nomal 0: Nomal 0: Nomal 0: Nomal 0: Nomal 0: Nomal	Duration	Code		□ ○ > aming 1 > 0 ≤ saming 2 > a sam clea 3 > alam clea 4 > a sam clea 5 > am dlea 6 > code cha 7 > users edb 8 > zones byp	Ang in own patitions sing in own object sing in whole system ing ing saving ing viewing

Note: the functionality can only be used if the control panel is deactivated. If it is in use by the event server, the communication port cannot be used. For this reason, the control panel must be disabled.

Through this mask it is possible to:

- Enter the operator code with authorizations on user management
- View and edit current users (Load button)
- View and edit the partitions enabled for the user, the permissions and the associated keyboard partitions
- Delete a user (select one or more users and press the DEL key)
- Change the type of user
- Change the operator code

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8. Use BDEye in the Smart Client

8.1 Configuration of alarms

To configure milestone alarms generated in the case of specific events coming from satel centers, you must:

- Open management client and go to "Alarms" section

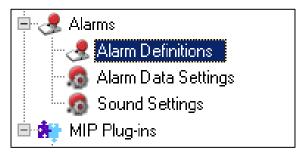


Image22 – Defining alarms

- When the configurate alarms appears, create a new one (right click on "Alarms definition") and fill in the form as follows:

Alam definition						
Enable:	V					
Name:	Alarm Definition					
Instructions:	Instructions for the operator					
Trigger	Trigger					
Triggering event:	Satel-Milestone Events Monitor					
	Zone-Alarm-Memory					
Sources:	AllZones					
Activation period	Activation period					
 Time profile: 	Always					
O Event based:	Start:					
	Stop:					
Operator action required						
Time limit:	1 minute					
Events triggered:						
0ther						
Related cameras:						
Related map:						
Initial alarm owner:						

Image23 – Exampleof Zone Alarm Memory

Notable elementsare the activation of the derived event from the selection of Satel-MilestoneEvent Monitor.Select an alarm type from the list. Usually, at least one Zone-Alarm-Memory alarm is associated.

Insert alarm sources. In the case of BIDEye, the sources are always the zones, then select at least one:

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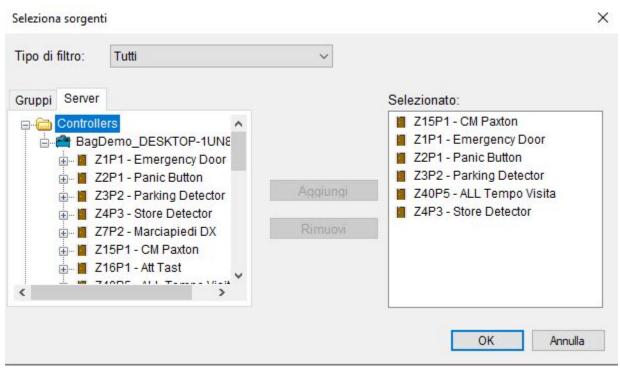


Image24 – Alarm zone association

As you can see from the image, under server tab you have the list that contains all active Centers at that time. Here you can associate one or more Center's zones to the alarm.

8.2 Creation rule with activation / deactivation of outputs

If you have a regular license with the "has_outputs_rules" functionality, you can insert a milestone rule to control the activation and deactivation of one or more outputs. To do this it is necessary to:

- 1. Create one or more User Events according to this nomenclature which must be respected:
 - a. <BIDEYE_CMD_OUTPUT>_<CONTROLLER ID>_<ON|OFF>_<OUTPUTS ID>
 - b. Example:
 - i. BIDEYE_CMD_OUTPUT_7_OFF_5_7_8
 - BIDEYE_CMD_OUTPUT: static prefix recognized by the application logic of the plugin
 - 2. 7: CONTROLLER_ID: This ID can be retrieved from the control panel

configuration form:

- Central configuratio	n	
Enabled		
ID:	7	
Central name	LONDON_SRVMILESTONE	
IP Address	bidlondon	7094

Image25 – Reading id controller

- 3. ON or OFF they will activate or deactivate the outputs
- 4. OUTPUTS ID: list of id outputs separated by _. In the example, the outputs with id SATEL 5, 7 e 8, will be disabled.
- 2. To test the event, just press "Test event"



Image26 – User event for activating / deactivating outputs

- Authorize the execution of the command to the internal user "user.events" to execute the commands by enteringuser.events=CmdOutputsOn,CmdOutputsOffin the authorization mask seen previously.
- 4. Create a rule, sending the event to the desired site. For example:

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Manage Rule		-	□ X
Name:	Test enable output		
Description:			
Active: Se	lect an Event	x	
Select the rule Perform an Perform an Edit the rule de Perform an acti from <u>Extern</u>	 Events Hardware Devices External Events Generic Events User-defined Events BIDEYE_CMD_OUTPUT_7_OFF_5_7_8 BIDEYE_CMD_OUTPUT_7_ON_5_7_8 User-ShowOnMapEvent Recording Servers System Monitor Other Analytics Events 		
	OK Cancel		
Help	Cancel < Back Next >		Finish

Image27 – Rule example for activating / deactivating outputs

8.3 Map management

BIDEye gives you the possibility to manage Satel zones/partitions/outputs Center completely and directly from Milestone map. At the time of writing this document only the standard Milestone map is supported and **not** the SmartMap (Gisbased). We will implement it in later versions.

Important: to use the activation feature of the map update you need to insert a user Satel code authorized to execute commands to read the zones/partitions/outputs status. The code is inserted

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only when the client is powered on by the following screen:

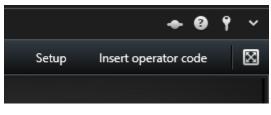


Image28 – Smart client: enter operator code for Map

If you click on it, the following screen will appear:

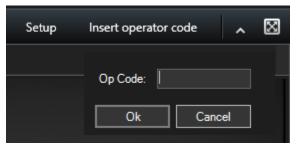


Image29 – Smart client: entering operator code for Map

Insert user code and click OK. After this operation, the writing of the button in the toolbar of Milestone Alarms List becomes:



Image30 – Smart client: after entering operator code

8.3.1 New map creation

To use Satel map with sensors/partitions/outputs, first you need to create a map as is provided in the Milestone manual. Then you can insert Satel elements that you want to manage:

Map Setup – – × Create new map Name: TEST Browse... Use existing map Map Map

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Image31 – Smart client: new map

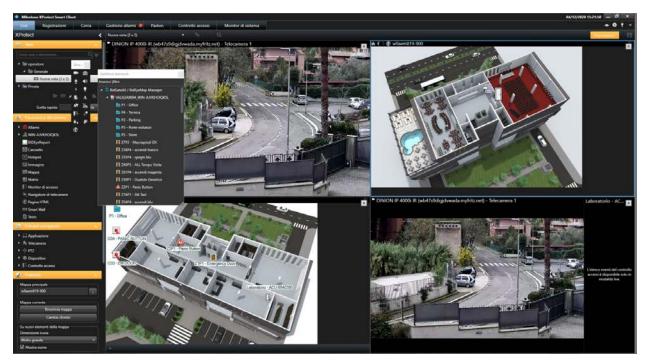


Image32 – Smart client: addition of zones/partitions/outputs

You can add all the zones, partitions and outputs of every Center by using Milestone standard tool for the management of the objects that can be inserted on the map.

At the end of this process, click settings and save the changes.

After the creation and design of the map, you can use the map in the normal Milestone management of the maps.

8.3.2 HotZone Configuration

BIDEye also supports the hotzones. To activate a hot zone, just draw one above Controller object where the heart of the Center is. For example:



Image33 – Smart client: addition of a hotzone

- Drag the Center icon on the map
- Draw a hotzone to cover the Center
- Associate the hotzone to one detail map.

When one of Milestone alarms present in that center is be activated, the hotzone will begin to flash until the Center alarms are closed.

8.3.3 Send commands

Using the map, you can send the following commands:

Important: to be able to use the sending of commands you have to insert an Satel user code authorized to execute the specific command.

Command	Authorization
Clear Alarms	ClearAlarms
Arm Partition mode 0	CmdArmInMode0
Arm Partition mode 1	CmdArmInMode1
Arm Partition mode 2	CmdArmInMode2
Arm Partition mode 3	CmdArmInMode3
Disarm Partition	CmdDisarm
exclude zonetemporarily	CmdZonesByPass
exclude zonepermanently	CmdZonesIsolate
Include zone	CmdZonesUnbypass
Output ON	CmdOutputsOn
Output OFF	CmdOutputsOff

All the commands are executable by selecting the zone/partition/output and right clicking on the related command in the contextual menu.

For example, to disarm a partition, select the partition:

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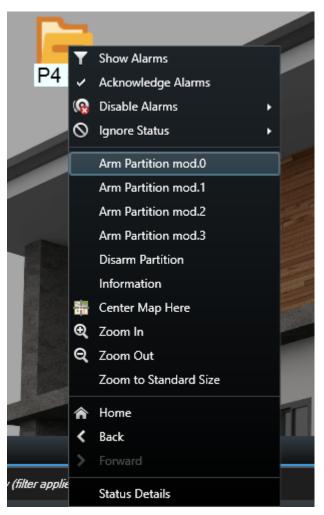


Image34 – Smart client: Disarm partition

In the example, the partition "P2-parking" will change colour from green (armed) to grey (disarmed).

If you want to temporarily exclude a zone:

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Image35 – Smart client: temporary zone exclusion

After the execution of command, the zone will be excluded:

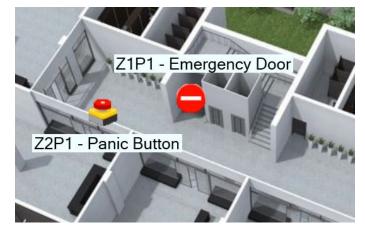


Image36 - Smart client: zone temporarily excluded

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In general, the icons and the related status that are currently managed are:

	Unknown exit status
	Exit status OFF
	Exit status ON
	Unknow partition status
	Armed status partition
	Disarmed statuspartition
	Non In Alarm status Center
	In Alarm status Center
•	Zone: Loading bay
ŀ	Zone: Door
H	Zone: Inertial
•	Zone: murena
-	Zone: Emergency button
6	Zone: Detector
	Zone: Sismic

	Alarm Zone
0	ByPassed Zone permanent
	ByPassed Zone temporary
	Memory Alarm Zone
	Memory Tamperalarm Zone
	Tamper Zone
	Tamperalarm Zone
	Violation Zone

Image37 – Smart client: legend of icon states

8.3.4 Customization icons

You can customize the Center icons, zones partitions and outputs by copying the icons images from the configuration folder of BIDEye to subfolder "Images". For the system to overwrite the default icon of BIDEye with the customized one you have to use images in ICOformat and you have to respect nomenclature shown in image 39:

File Name	Description(Icon Descrip	otion)	
SensorController.ico	MapItem Controller Icor	n(Default)	
SensorControllerAlarm.ico	MapItem Controller Icon in Allarm status		
Axians Brand id spa	BidEye User Manual	Rev. 3	Pagina40 (56)

Partition.ico	MapItem Partition Icon(Default)
PartitionArmed.ico	MapItem Partition Icon in Armed status
PartitionDisarmed.ico	MapItem Partition Icon in Disarmed status
Zone_Door.ico	MapItem Zone Icon(Default)
ZoneMemoryAlarm.ico	MapItem Zone Icon in ZoneMemoryAlarm status
ZoneAlarm.ico	MapItem Zone Icon in MemoryAlarm status
ZoneByPass.ico	MapItem Zone Icon in ZoneByPass status temporary
ZoneByPass1.ico	MapItem Zone Icon in ZoneByPass status permanent
ZoneTamper.ico	MapItem Zone Icon in ZoneTamper status
ZoneTamperAlarm.ico	MapItem Zone Icon in ZoneTamperAlarm status
ZoneMemoryTamperAlarm.ico	MapItem Zone Icon in ZoneMemoryTamperAlarm status
ZoneViolation.ico	MapItem Zone Icon in ZoneViolation status
Zone_BaiaDiCarico.ico	MapItem Zone Icon (Loading Bay sensor)
Zone_FinestraInerziale.ico	MapItem Zone Icon (Inertial Window sensor)
Zone_Murena.ico	MapItem Zone Icon (Murena sens)
Zone_PulsanteDiEmergenza.ico	MapItem Zone Icon (Emergency Button sensor)
Zone_RilevatoriEmergenza.ico	MapItem Zone Icon(Emergency Detectorsensor)
Zone_SismicoCaveau.ico	MapItem Zone Icon(Caveausensor)
Output_OFF.ico	MapItem Output Icon(IconOutput OFF and Default)
Output_ON.ico	MapItem Output Icon(IconOutput ON)
	1

Image38 - Filename to be assigned to custom icons

8.4 Clearing alarms

Opening the smart client, position yourself on the main screen of the alarms. If the Milestone "Alarm manager" componentdoes not appear, you can create a specific viewin which you can insert "Alarm Manager" and "Alarm Preview" form settings \rightarrow Plugin and MIP Plugin.

If any alarmis activated, select it from the list. A screen to close the alarm will appear:

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🔹 Milestone XProtect Smart Clie	H	1/12/2020 16:54:05 📒	. 🗆 X
Live Registrazioni	Cerca Getdonia atlaimi 💋 Paston Controllo accessi Monitor di sistema	+	
	ing	ostazioni BIDEye	~ 🖾
165337 Bidlye User (antonio)	Cancella all'arme (2) comando accettado e preso in canco dalla centrale		×
P3-0500 P3-050	21P1 - Emergency Doc PL1 trend visit 22P1 - Col Pation Badge Ports 2 21P1 - Col Pation College allows	(antinen) Alexen particulen EDD0 P001-Office 2002 Verificates	Partic Batto
Film rapidi	Alami Alone film applicate) 👻 Cancella Bar	Rapporti	14
¥	🖸 Tempo Lindla Spiontik Allema None-della tata Massaggio Sorgante Proprietari D		
▼ in conse (0) ▼ in attense (0) ▼ Chuseo (5)	163353111/22020 J Zone Alexe Menory Know Zone Alexe Menory 2291 Pane Bolton 1115		

Image39 – Smart client: Clearing alarms

This screen is the customized Milestone alarms list screen that gives you the possibility to close the Satel alarm. If it is licensed, it's possible to configure a map for the zones partitions and outputs integrated management.

Enlarging the view for the BIDE ye Alarm Preview component only:

Alarm detail	
Op. Code	(I.dellamonica)
Closing reason Other	Partition alarms
Close reason	ED00 P001-Office Z001-Emergency ED00 P001-Office Z001-Emergency
Alarm management instructions	
Istruction	
Closes partition alarms	✓ Verified

Image40 – Smart client: Clearing alarms - AlarmPreview

In the screen there are the following fields:

- Op. Code: Operator SATEL codeto insert. This code is kept until the logout operation.

 Closure Reasons: Preset list of closure alarm reasons(read by administrative configuration component of the Center that we have seen in previous chapters). By selecting "Other" you can insert a customized reason.

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- Alarm management instructions: Alarm management instructions list read by Milestone alarm configuration (see the section related to new alarm configuration in Milestone).
- Partition Alarms: Anytime you clear an alarm, all the alarms on the partitions are cleared(if the partition is not disarmed). For that reason, the operator must visualize all these alarms in compact mode.
- Verified: flag acknowledging of all alarms by the operator. Mandatory.

When you have filled in the screen with the requested data, you can click the button "Clear Alarm" (If the operator is not authorized, the button will be disabled). The client sends a message to Event Server which manages that specific SATEL Center, and BIDSateIAI plugin will command the alarm closure. The client will display a diagnostic message.

Once the cancellation request has been sent, the seconds that pass from the moment of sending are displayed. After a wait of ten seconds, a warning message will appear on the video. Usually the execution time of the command is, at the most, twice the configurated polling time. Response time may increase for loading reasons or network traffic (If the command is sent on Milestone Federation).

If the command ends successfully, the following message will be displayed: "command correctly executed" and at the same time the alarm is closed. The alarm disappears from the active alarms list and appears in the closed alarm list.

Each alarm is closed by entering correct data.

8. BIDEye Reports

The BIDEyeReports plugin allows you to generate pre-set reports or model new reports to be generated directly within the Smart Client.

BIDEyeReports uses the Jasper Server Report open source sotware downloadable from <u>https://community.jaspersoft.com/project/jasperreports-server/releases.</u>Version 7.5.0 is supported at the time of writing this document.

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In order to create new reports/edit existing reports, you must use a graphical report modeling tool, also open source called Jasper Studio, which can be downloaded at the url:

https://community.jaspersoft.com/project/jaspersoft-studio/releases

Version 6.11.0 is supported at the time of writing this document.

Download and install the two softwares (run with administrative rights). Once you have finished, you will need to do the following:

- Configure BIDEyeReports
- Configure JasperServer
- Set up JasperStudio
- Report in Milestone

8.1 BIDEye Reports Setup

Once you have installed the JSR (Jasper Server Report) software and verified that it is working correctly, you must configure the endpoint, a username and a password in the BIDEye options: open the Milestone management console and go to the options panel. Open the BIDEye bat. Then enter the data as shown in the image:

ptions					;
nalytics Events	Customer Dashboard	Alarms and Events	Generic Events	BIDEYE Configuration	<
DBMS & Report	Events License			13	
SQL Address					
SQL Server inst	ance name	/	Authentication		
LAPTOP-D2AL	FCQR	Hostname	Windows	~	Test
JasperServer ba http://localhost	ase Url :8083/jasperserver/rest_v		nin Usemame jasperadmin	Admin password	Test
http://localhost	:8083/jasperserver/rest_v	12/	asperadmin	•••••	Test
		-			

Image41 – JasperServer: url, username and password

Enter the address of the v2 API rest in the JasperServer base Url field. As a rule it is:

http://localhost:8083/jasperserver/rest_v2/

Enter your username and password to sign in to JSR. In the example, the user **jasperadmin** (default password: **jasperadmin**) is entered, but you can create a new user in theJSR admin panel. To test the connection, press the test button. If all is ok, a success message will be displayed.

8.2 Jasper Server Setup

8.2.1 Creating data sources to access SqlServer

BIDEye, like Milestone, uses the Integrated Windows authentication mode to access the SQLServer. To enable this type of access with JSR, you must follow the following instructions (JSR assumes to be installed in C:-Jaspersoft-jasperreports-server-cp-7.5.0, possibly replace with your own path):

- 1. Copythe<PATH-INSTALLATION-BIDEYE>-setup-sqljdbc_auth.dll file to C:-Jaspersoftjasperreports-server-cp-7.5.0-apache-tomcat-bin
- 2. Restart service jasperreportsTomcat
- 3. Using the web console, after logon with jasperadmin, add a new datasource

- a. Tipo: JDBC Data Source
- b. In the JDBC driver leader, select:

JDBC Driver:

```
NOT INSTALLED: MS SQL Server 2005 (com.microsoft.sqlserver.jdbc.SQLServerDriver) 🔻 Add Driver...
```

 Install the driver by pressing the "Add Driver..." button and press browse to select the driver directly from theBIDEye/setup installation folder as shown in the image (choose the file: sqljdbc42.jar)

Apri			×
\leftarrow \rightarrow \checkmark \uparrow 🔒 « Dis	co locale (C:) > BIDEye > setup	✓ ບັ Cerca in setup	م
Organizza 🔻 Nuova ca	artella	== -	
Documenti /	Nome	Ultima modifica	^
- Immagini	📓 bideye-license-us.txt	24/02/2020 11:28	
Musica	📓 bideye-version.txt	10/03/2020 23:45	
	🚳 bidUtils.dll	11/03/2020 10:40	
Questo PC	🕵 ChangeLog.pdf	25/02/2020 14:55	Selezionare
E Desktop	📔 create-db.sql	06/03/2020 23:21	il file di cui
🔮 Documenti	Gnu.Getopt.dll	15/05/2015 12:32	visualizzare l'anteprima.
🕂 Download	🗟 NLog.dll	21/11/2019 12:05	runcepinnur
📰 Immagini	🗟 satel-milestone-driver.dll	11/03/2020 10:40	
h Musica	sqljdbc_auth.dll	19/03/2018 15:21	
🚺 Oggetti 3D	🛓 sqljdbc42.jar	19/03/2018 15:21	¥
	< <	>	
Nome	e file: sqljdbc42.jar	✓ Tutti i file (*.*)	\sim
		Apri	Annulla

Image42 – JasperServer: SQL Server jdbc driver

- c. Then confirm that the driver is loading.
- d. In the URL field, enter:

jdbc:sqlserver://localhost:1433;databaseName=bidSatelIntegration;integratedSec urity=true

- e. In the username: **none** field
- f. In the field: password: none
- g. Edit TimeZone fields appropriately
- h. Press Test to test the connection.
- i. Press Save to save the data source
 - i. Name: **BIDEYE**
 - ii. Resource Id: BIDEYE



iii. Description: BIDEYE datasource

TIBC	Jaspersoft	1 Library	y View -	Manage 🗕		
🔳 BII	DEYE					
	Edit Data Source Pr	operties •				
	JDBC Driver: MS SQL Server 2005 (cc	om.microsoft.sql	server.jdbc.SQL	ServerDriver)	¥	Select Driver
	Host (required):					
	Port (required):					
	Database (required): bidSateIIntegration					
	URL (required):					
	jdbc:sqlserver://localh HInt: Jdbc:postgresql://local		aseName=bidS	atelIntegration;integrat		
	User Name: jasperadmin					
	Password:					
	•••••					
	Time Zone: Use database setting Hint: Do not change the time	e zone setting unless	you know the da	abase timestamp data is incorrec	t.	T
	Test Connection	Connection	passed			

Image43 – JasperServer: Test ok datasource BIDEye

If you want to manage also Milestone Reports, you have to add another DataSource for Milestone database. The Url is:

jdbc:sqlserver://localhost:1433;databaseName=Surveillance;integratedSecurity=true

8.3 Jasper Studio Setup

Before you can run JasperStudio, you must enable the driver that will be loaded to Integrated Windows authentication as well as the JasperServer component. Then copy the file:

- <INSTALLATION-PATH-BIDEYE>\setup**sqljdbc_auth.dll** in <INSTALLATION-PATH-JASPESTUDIO>\features\jre.win32.win32.x86_64.feature_1.8.0.u151**jre\bin**
- <INSTALLATION-PATH -BIDEYE>\setup\sqljdbc42.jar in <INSTALLATION-PATH-JASPESTUDIO>\features\jre.win32.win32.x86_64.feature_1.8.0.u151\jre\lib\ext

Run JasperStudio and create a new local data adapter to join SqLServer:

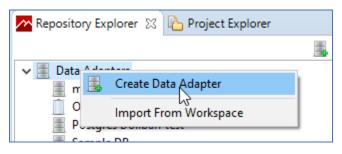


Image 44– JasperStudio: Creating New Data Adapter

Data Adapter Wizard				×
ata Adapters				
Use SQL queries to get dat	a from a <mark>d</mark> atabas	e		
CSV File				^
Collection of JavaBean	s			
Custom implementation	on of JRDataSour	ce		
Database JDBC Connec	tion			
SIBOL Connection				
Empty rows				
🖏 Hibernate Session				
🖏 Hibernate Session Load	ded By Spring			
📓 JNDI Data Source				
🛇 JSON File				
JasperReports DataSou		s		
Microsoft Excel (XLS, X				
Mondrian OLAP Conn				
MongoDB Connection				. U

Image45 – JasperStudio: Creatingnew data adapter: JDBC

Select "Connect to a JDBC database" and press Next.

📎 Data Adapt	er Wizard	_		×
Data Adapter				
Database JDB	Connection			
Name: SQLSe	rver BidEye			
JDBC Driver	MS SQLServer (2005-2012) (com.microsoft.sqlserver.jdbc.SC	QLServ	erDriver)	$\overline{}$
JDBC Url	ver://localhost:1433;databaseName=bidSatelIntegration;int	egrate	dSecurity=t	rue
Username	none			
Password	••••			
	Attention! Passwords are saved in clear text			
Database Los	ation Connection Properties Driver Classpath			
Database Lot	Connection Properties Driver Classpath			
?	Test < Back Next > Finish		Cance	el

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Image 46– JasperStudio: Creating New Data Adapter: Database

How to insert JDBC Url:

jdbc:sqlserver://localhost:1433;databaseName=bidSateIIntegration;integratedSec urity=true

8.3.1 Connectto Jasper Server

Jasper Studio allows you to create reports and store them in Jasper Server so that they can then be read in the Milestone Smart Client.

To configure Jasper Server, follow these steps:

- 1. Run Jasper Studio
- 2. Create a new Server connection

TIBCO Jaspersoft® Studio

 File
 Edit
 View
 Navigate
 Project
 Window
 Help

 Image: Im

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Image 47– JasperStudio: Server Connection Creation

3. Enter the connection parameters and press "Check Connection":

📎 Server	Profile Wizard	_		×
JasperRe	ports Server Access Configuration			
Configu	re server connection			
Name	JasperReports Server			
URL	http://localhost:8083/jasperserver/			
			Conn	ected
Accoun	t			
Organiz	ation			
User	jasperadmin			
Passwor	d ••••••			
+ Advar	ced Settings			
?	Test Connection E	inish	Cance	l

Image 48– JasperStudio: Server Connection Configuration

- 4. After verifying, press Finish
- 5. After the connection, the contents of the linked Jasper Server are displayed

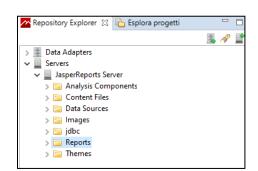


Image 49– JasperStudio: jasper server content

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8.3.2 Deploying reports on Jasper Server

To add a report on Jasper Server, simply model it and deploy it to servers. For example, you can upload a sample report in your BIDEye deployment. Follow these steps:

1. Open the "configuration-central.jrxml"reportlocated in the <PATH-INSTALLATION-BIDEYE-Reports folder

<u>F</u> ile	<u>E</u> dit	View	<u>N</u> avigate	<u>P</u> roject	<u>W</u> indow	<u>H</u> elp)
	New					Alt+	Shift+N >
	Open	File					
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	· ·			,			
-		-		,			
Nu		to PC >	Disco locale (-	ye → reports	;	
Nu	> Ques	to PC >		(C:) > BIDE	ye → report:	;	
Nu		to PC >		-	ye → report:		Ultima modif
	ova cart	to PC >	Disco locale ((C:) → BIDE			Ultima modif 29/02/2020 16

Image 50– JasperStudio: Publishing Sample Report

2. The report appears in the editor:

	Configurazione CENTRALI SATEL
	Centrali/Partizioni/Zone
	new java.util.Dat
\$F{Contr	ollerName} + " - " + \$F{ControllerId} + " - " + \$F
\$F {Partition	onName} + " - " + \$F{PartitionNumber}
B.B	neName} " " + \$F{ZoneNumber}

Image 51–JasperStudio: Sample Report

3. Publish the report to Jasper Server:

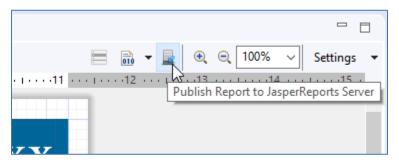


Image 52– JasperStudio: Publishing Report on Jasper Server

4. Fill in the fields for publishing:

?

Report Unit Description Report to extract BidEye Satel configuration

Report Publishing Wizard				
Select JasperReports Server	🕺 Report Publishing W	fizard	_	
✓ JasperReports Server > 🔄 Analysis Components > 🔄 Octa Sources > 🔤 Data Sources > 🔄 Intractive > 🔄 Interactive > 🔄 Interactive > 🔄 Interactive > 💼 Thermes	Publish To JasperRep	orts Server		
> Images Images > Images > Images > Images Images > Images Images > Images Images > Images Images <tr< td=""><td>Select JasperReports Ser</td><td>rver and location where report will be published</td><td></td><td></td></tr<>	Select JasperReports Ser	rver and location where report will be published		
Report Unit Label configurazione-centrali_1	 Analysis Com Content Files Data Sources Data Sources jdbc Pajdbc Reports Interactive Configuration Sita-allance 	nponents ; zione-centrali_1		
	Create Report Unit			
Report Unit Name (ID) configurazione_centrali_1	Report Unit Label	configurazione-centrali_1		
	Report Unit Name (ID)	configurazione_centrali_1		

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< <u>B</u>ack Next > Einish Cancel

Image 53–JasperStudio: Publishing: Data Entry

5. Press Nextuntil you choose the data source you want to use. Choose BIDEYE, the data source that you configuredearlier.

Configure the data source Select the data source Search for occurrence in label or description of resource. Datasource (uey)	🗞 Report Publishing 🕻	🗞 Find resource from JasperReports Server — 🗆 🗙		\times
Datasource Quey Name Search @ Data Source from //datasource/BIDEV Tree List Search O Local Data Source Data Source Stores Data Source Ø Don't use any Dat BID PYF Source Source Ø Don't use any Dat Source Data Source Ø Don't use any Dat Source Data Source Ø Don't use any Dat Source Data Source Ø Data Source Source Data Source Ø Data Source Data Source Data Source Ø Data Source Source Source Ø Themes Themes Source	Configure the data s	Find Resource		
Data Source from //datasources/BIDEY O Local Data Source Don't use any Dat Don't use any Dat Bill Comme BIDEYE With /datasources/BIDEYE Bill Comme BIDEYE With /datasources/BIDEYE Bill Comme BIDEYE With /datasources/BIDEYE Bill Comme BIDEYE Bill Comme BIDEYE BIDEYE BIDEYE BIDEYE BIDEYE BIDEYE BIDEYE BIDEYE BIDE	Select the data source	Search for occurrence in label or description of resource.		
//datasources/BIDEY Image: Source O Don't use any Dat Source Don't use any Dat Source Jon't use any Dat Jon't datasource//BIDEYE Jon't use any Dat Jon't datasource//BIDEYE <				
 ↓ Local Data Source > □ Content Files > □ Data Sources > □ Data Sources > □ Spermission: 1 > □ Jata Source > □ Themes 	_			1
○ Don't use any Dat JS Unit / discources/BIDEVE at a source JS Supernission: 1 Data Source Sup Permission: 1 Data Source Supernission: 1 Data Source	O Local Data Source	> 🚘 Content Files 🗸 📴 Data Sources		
Einlish Cancel	○ Don't use any Dat	Images > □ Jds Comes Data Source Jas Supper jabc Data Source		
		Einish Cancel		

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Image 54–JasperStudio: Publication: data sourcechoice

6. At the end of the procedure, the report will be published on Jasper Server and will be ready

to be used in Milestone

🕺 Report Publishi	ng Wizard				>
onfigure the da	ta source				
Select the data so	urce to use				
Datasource Quer	у				
Data Source fr	om Repositor	у			
/datasources/Bl	DEYE				
O Local Data So	urce				
	2 Infor	mation Success! The following resources were published on JasperReports Server: /reports/configurazione_centrali_1	×		

Image 55– JasperStudio: Published successfully

8.4 Utilizing BIDEye Reports in the Smart Client

After you configure Jasper Server and publish some reports, you can use it directly within the Smart Client. To do this, follow these steps:

- 1. Open the Milestone Smart Client
- 2. Create a new1 row view for 1 column and call it Reports
- 3. Go to Edit mode and add the BIDEye Report plugin

Reports		• • B		Set	tup 🖾
Available reports					
configurazione centr Customers Report - C lista-allam - Esporta Map Report - Map Re Table Report - Table R	ustomers R gli allarmi ! port		nı.		
Load Reports					*
	11	/03/2020 📰 All	≁ All ≁		
O Pdf O Excel O	Word •	Hund Generate report.			
Date	Type	Name	Size		View
01/03/2020 01:16:1	PDF	configuratione-centrali_1-2020-03-01.pdf	6152		Refresh
01/03/2020 01:08:1		lista-allarmi-2020-03-01.html	295440		Remove
01/03/2020 01:08:0		ista-allarmi-2020-03-01.docx	45550		hemove
01/03/2020 01:08:0		lista-allarmi-2020-03-01.dsx	32024		
01/03/2020 01:07:3		lista-allarmi-2020-03-01.pdf	21261		

Image 56– BIDEye Report: Viewing Reports in Milestone Smart Client

The plugin is structured in three sections:

- Reports list: All reports found on Jasper Server are displayed here. To load the list, press the "Load Reports" button
- 2. FiltersSections: Here are the possible filters available:
 - a. Start date: query start date
 - b. End date: End date of the query
 - c. Central: Drop-down list: Select the desired power station or All for all power plants
 - d. Partition: Drop-down list from which to select the desired partition or "All" for all partitions
 - e. Export format: Pdf, Excel, Word, Html
 - f. "Generate Report" button to generate the report in he specified format according to the selected filters.
- Generated Reports section All reports generated over time and stored on the local disk are displayed here.
 - a. View: Displaysthe selected report (uses the system viewer)
 - b. Update: updates thelist of reports generated over time



c. Delete: Removes the selected report from the disk

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