



## Local Scheduler

Version 4.0  
(December 2024)

While declaring its commitment to keep this document constantly updated, it is not guaranteed that, at all times, it corresponds entirely to the Service made available to the user and that the screens (used for demonstration purposes and which refer to fictitious data) reflect completely what is made visible to the user. In addition, not all features described in this manual may be available.

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## Premise

The Local Scheduler allows the administrator of the UniWeb 2.0 Plus application to schedule the following activities:

- transfer of information data in CBI format, visible on the UniWeb 2.0 Plus application, on pre-established company servers / PCs.
- transfer of lists in CBI format from company servers / PCs to the UniWeb 2.0 Plus application so that they can be signed and sent to the bank.

In case of adherence to the option of uploading natively signed flows, the scheduler allows to send later from UniWeb or directly manages the shipping phase, thus operating as a gateway.

The activities listed can be monitored, through detailed logs, visible in UniWeb2.0 Plus:

- CBI section > Information > Scheduler report: this menu item is visible to all users after authorization by the UniWeb Administrator (see detailed section below);

- ADMINISTRATION section > Local Scheduler > Job List: select the desired job and click on the Logs button, from here you can select dates and subsequently the detail of what is imported at a certain time.

## Check technical requirements

The software system requirements are the same as UniWeb2.0 Plus. Java VM version 1.8 or higher must be installed on the workstation.

If a corporate Proxy is set, it is necessary to ask the administrator to enter the '[uniweb.unicreditcorporate.it](http://uniweb.unicreditcorporate.it)' address in the 'white-list' of the Proxy

If you use an ERP software to create the flows, it is advisable to run the scheduler on the same PC / server in order to have the folders for exchanging files locally, however you can use shared folders from another computer.

## Security

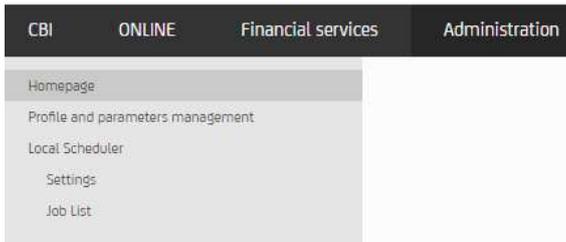
The transport protocol is TCP / IP HTTPS (port 443). The data is encrypted with a 256-bit symmetric key using the SHA256RSA algorithm. The handshake takes place via a 2048-bit RSA public key.

The application is subjected to vulnerability and penetration tests every year to ensure adequate security levels.

## Menu

Select the Administration label.

Under the menu item 'Local Scheduler' there are two items: 'Settings' and 'Job List'



## Settings

Access the preliminary operations to define the scheduler that will perform the operations required on the PC indicated by the user.

## Job List

Defines the operations to be performed for each scheduler (which and with what timing).

## Preliminary operations

To access the Local Scheduler, the intervention of the UniWeb 2.0 Plus administrator is required.

The operations to be performed are the following:

- definition of a scheduler
- definition (of one or more) jobs to be executed by the scheduler
- download and installation of the scheduler on the machine defined in the scheduler settings

## Definition of a scheduler (Settings)

From the menu: Local Scheduler > Settings

the user will be able to configure a Local Scheduler so that it can work on the guest machine made available (not necessarily the PC that was used for ordinary work).



Push the button NEW to define a new scheduler

< Local Scheduler Insert ? 🏠

---

L.Scheduler Name

---

**Technical Settings**

Host	<input type="text"/>	IP address	<input type="text"/>
MAC address	<input type="text"/>		

---

**Proxy Settings**

Proxy User	<input type="text"/>	Host IP	<input type="text"/>
Proxy Pwd	<input type="text"/>	Host Port	<input type="text"/>

---

**Contact Data**

Email	<input type="text"/>	Phone	<input type="text"/>
Repeat Email	<input type="text"/>		

The minimum data required for configuration are in bold:

**"LScheduler Name"**: name chosen by the user (do not use punctuation marks).

**"Host"**: is the machine name of the computer that will host the scheduler. **It is possible to install only one scheduler in one PC.**

**"MAC address"**: is the unique code of the network card of the machine that will host the scheduler (see 'how to obtain the MAC address of a PC'). If a Virtual Machine is used, the address must be static otherwise the scheduler will not work if it finds an inconsistency between the mac-address saved in the configuration and that of the PC.

**"Contact data"**: it's possible to insert an email address, to which notifications will be sent regarding both events related to the Local Scheduler such as installation (updates, lack of connection) and events related to the failure to execute jobs.

Any telephone number serves exclusively as a possible form of contact by the UniWeb Contact Center for urgent reports.

The list will contain a list of all the defined schedulers, on which standard UniWeb 2.0 Plus operations are possible.

After creating the scheduler it is necessary to download the file, see the paragraph [Downloading and installing the scheduler locally on the previously defined machine.](#)

It is recommended to perform the installation after the definition of the operations (Job) for which the scheduler has been defined.

## Definition (of one or more) jobs to be executed by the scheduler (Job List)

From the Local Scheduler > Job List menu the following "Job List" screen will be displayed, in which there is the **Filter** section:

The screenshot shows a web interface titled "Search Job List". Below the title is a "Filter" section with a grey header. It contains four input fields: "Load Filter:" with a dropdown menu showing "Choose a filter:", "Scheduler Name:" with a dropdown menu showing "Select Scheduler", "Operation:" with a dropdown menu showing "Select a type", and "Job name" with a text input field. At the bottom left of the filter section are three icons: a checkmark, a star, and a trash can.

It is now possible to proceed with the compilation of the **Filter** (see [Basic Notions > Orders > Filter](#))

Select the values for the **Filter** fields, click the button  "Confirm". Once the search has started, the following screen will appear:

< Automated JobList ? 🏠

^ Filter applied

▼ Local Scheduler Jobs List

<input type="checkbox"/>	Local Scheduler	Job Name	Company	Operation	Order Type	Last Execution	Activated
<input type="checkbox"/>		BOSP -- FIRMA NATIVA		Upload	SEPA	03/12/2024 17:00	Yes
<input type="checkbox"/>		BOSP da ISO v.10		Upload	SEPA	03/12/2024 17:00	Yes
<input type="checkbox"/>		BOSP DA ISO v.3		Upload	SEPA	03/12/2024 17:00	Yes
<input type="checkbox"/>		BOSP LOCKED		Upload	SEPA	03/12/2024 17:00	Yes
<input type="checkbox"/>		BOSP UNLOCKED		Upload	SEPA	03/12/2024 17:00	Yes
<input type="checkbox"/>		BOSP VERS PREC 04 00		Upload	SEPA	03/12/2024 17:00	Yes
<input type="checkbox"/>		BOSP XXL		Upload	SEPA	03/12/2024 17:00	Yes
<input type="checkbox"/>		CBILL PAGOPA		Upload	CPAGP	03/12/2024 17:00	Yes
<input type="checkbox"/>		CBILL PAGOPA -- FIRM		Upload	CPAGP	03/12/2024 17:00	Yes
<input type="checkbox"/>		Download ALL		Download	All	03/12/2024 16:55	Yes
<input type="checkbox"/>		DOWNLOAD RH		Download	RH	03/12/2024 12:45	Yes
<input type="checkbox"/>		Esiti SEDA		Download	ESSEDA02	03/12/2024 13:45	Yes
<input type="checkbox"/>		GIFO EST - FIRMA NAT		Upload	SEPES	03/12/2024 17:00	Yes
<input type="checkbox"/>		GIFO EST LOCKED		Upload	SEPES	03/12/2024 17:00	Yes
<input type="checkbox"/>		GIFO EST UNLOCKED		Upload	SEPES	03/12/2024 17:00	Yes
<input type="checkbox"/>		GIFO SEPA 04 01 UNLO		Upload	SEPGF	03/12/2024 17:00	Yes
<input type="checkbox"/>		SCTE -- FIRMA NATIVA		Upload	SEPES	11/09/2024 16:30	No
<input type="checkbox"/>		SCTE FIRMA 06170		Upload	SEPES	03/12/2024 17:00	Yes
<input type="checkbox"/>		SCTE ISO v10		Upload	SEPES	03/12/2024 17:00	Yes
<input type="checkbox"/>		SCTE LOCKED		Upload	SEPES	03/12/2024 17:00	Yes

🖨️ 🔍 🗑️ 🔄 📄

🔍 🔍 🗑️ 🔄 📄

📄 1 2 3 20 rows per page (48 records / 0 selected)

Click the button  for a new insertion, the mask will open with all the fields necessary for the definition of a new job

< Job definition ? 🏠

Job settings

Switch to advanced mode

Job Name:

Scheduler Name:

Company:

Operation:

Order Type:

Directory Path:

During first execution download files from:

Execution settings

Start \*:  Frequency:

End \*:

Execute on following days

Monday	<input checked="" type="checkbox"/>	Tuesday	<input checked="" type="checkbox"/>
Wednesday	<input checked="" type="checkbox"/>	Thursday	<input checked="" type="checkbox"/>
Friday	<input checked="" type="checkbox"/>	Saturday	<input type="checkbox"/>

\* The download and/or upload hours present on the pages are related to the CET/CEST time zone

**“Name Job”** : conventional name of the Job (chosen by the user)

**“Name scheduler”**: name of the scheduler to entrust the execution of the job, to be selected from the list of already defined schedulers. The scheduler defines on which machine the operation will be performed.

**“Operation”**:

**‘Download’**: it is the way to request the download on the company server / PC of the CBI flows received from the bank

**‘Upload’**: it is the way to request the uploading of the CBI lists, saved on the company server / PC, on UniWeb2.0 Plus.

Choosing the type of operation modifies the required data, then the input mask

## Download

< Job definition ? 🏠

**Job settings**

[Switch to advanced mode](#)

Job Name:

Scheduler Name:

Company:

Operation:

Order Type:

Directory Path:

During first execution download files from:

---

**Execution settings**

Start \*:

End \*:

Frequency:

Execute on following days:

Monday	<input checked="" type="checkbox"/>	Tuesday	<input checked="" type="checkbox"/>
Wednesday	<input checked="" type="checkbox"/>	Thursday	<input checked="" type="checkbox"/>
Friday	<input checked="" type="checkbox"/>	Saturday	<input type="checkbox"/>

\* The download and/or upload hours present on the pages are related to the CET/CEST time zone

- **“Order type”**: represents the type of CBI flows to be downloaded
- **“Directory Path”**: represents the path in the machine file system where the scheduler will store the downloaded files
- **“During first execution download files from”**: only for the first run it is possible to define from which date to download the flows. Subsequent executions will automatically download what has not already been downloaded.
- **“Company”**: for which customer the job will operate. In simple mode it is possible to select one or all, while switching to advanced mode (with ***switch to advanced mode*** from job insertion) it is possible to define one or more customers.

< Job definition ? 🏠

**Job settings**

[Switch to advanced mode](#) 

Job Name:

Scheduler Name:

Company:

Operation:

Order Type:

Directory Path:

During first execution download files from:

## Upload

< Job definition ? 🏠

**Job settings**

Job Name:

Scheduler Name:

Company:

Bank:

Account:

Delete after upload:

Locked:

Signed Flows:

Operation:

Order Type:

File Path:

Backup path:

Job Path:

---

**Execution settings**

Start \*:

End \*:

Frequency:

Execute on following days:

Monday	<input checked="" type="checkbox"/>	Tuesday	<input checked="" type="checkbox"/>
Wednesday	<input checked="" type="checkbox"/>	Thursday	<input checked="" type="checkbox"/>
Friday	<input checked="" type="checkbox"/>	Saturday	<input type="checkbox"/>

\* The download and/or upload hours present on the pages are related to the CET/CEST time zone

- **“Order type”**: represents the function available in the CBI section, for which you want to set automatic upload via Scheduler
- **“File Path”**: represents the path in the machine file system from which the scheduler will pick up the files

The following fields indicate the bank details on which the job will operate

- **“Company”**: for which customer (one or all)
- **“Bank”**: for which bank (one or all)
- **“Account”**: for which account (one or all)
- **“Locked”** : if this flag is activated, once the file has been uploaded, it cannot be modified and any errors and / or special characters not admitted by the CBI lead to an immediate discard of the file
- **“Signed flows”** : if selected it allows you to upload files already signed externally with your ERP software. The signatory must in any case be registered in UniWeb, the signature used must be from a CBI-certified certifier. The choice on these flows is:
  - Only Uploaded (sending must be done later within UniWeb)
  - Uploaded and sent

This option must be previously enabled by the branch

### **Important**

The jobs of the signed flows can be done only for a single company / SIA code, this means that if there are multiple companies, to avoid that one job of one company takes a flow of another and then discards it, it is necessary to create one folder for each company. All types of flow \* from the same company / Cod SIA can be placed in this folder.

*\* the 5 types of payments connected to the CBI credit transfer file (SEPA Transfers, Salaries, Intracompany Bank/Fund Transfer, XML Urgent Credit Transfer, CBILL/PagoPA Payments, CBILL/BolloAUTO Payments) must always be placed in separate folders to ensure that they go into the correct function of UniWeb, due to the fact that the name of the files is the same and the differences are at the TAG level.*

- **“XXL”** if selected, allows the asynchronous import of large files; this type of upload is mandatory to use if the single XML files weight more than 6 MB

### **Important**

For flows imported with the XXL specification, these:

- they will not have the option of viewing the transaction details within UniWeb
- the file storage folder must be separate from the other flows and must be different for each function

- **“Chose file version”** for some functions it's possible to choose the type of the file in order to upload automatically via Local Scheduler.

Hier below a table of the type of files, that can be uploaded via Local Scheduler

FUNCTION	TYPE OF STANDARD FILES THAT CAN BE IMPORTED	Upload via Local Scheduler	Upload of files already equipped with DIGITAL SIGNATURE	NOTES
SEPA\Transfer	CBI SEPA Credit Transfer vers. 00.04.01	X	X	
	CBI SEPA Credit Transfer vers. 00.04.00	X		
	ISO20022 XML Pain.001.001.03	X		
	ISO20022 XML Pain.001.001.09	X		
SEPA\SALARIES	CBI SEPA Credit Transfer vers. 00.04.01	X	X	
	CBI SEPA Credit Transfer vers. 00.04.00	X		
	ISO20022 XML Pain.001.001.03	X		
	ISO20022 XML Pain.001.001.09	X		
SEPA\Intracompany Bank/fund transfer	CBI SEPA Credit Transfer vers. 00.04.01	X	X	
	CBI SEPA Credit Transfer vers. 00.04.00	X		
	ISO20022 XML Pain.001.001.03	X		
	ISO20022 XML Pain.001.001.09	X		
SEPA\XML urgent payment	CBI SEPA Credit Transfer vers. 00.04.01	X	X	
	CBI SEPA Credit Transfer vers. 00.04.00	X		
	ISO20022 XML Pain.001.001.09	X		
Direc Debit\Direct Debit CORE	CBI SEPA Credit Transfer vers. 00.01.01	X	X	
	CBI SEPA Credit Transfer vers. 00.01.00	X		
	ISO20022 XML Pain.008.001.02	X		JOBs with these types must be set up with a single current account.
	ISO20022 XML Pain.008.001.08	X		Folders must also be separated for each single current account.
Direc Debit\Direct Debit B2B	CBI SEPA Direct Debit vers. 00.01.01	X	X	
	CBI SEPA Direct Debit vers. 00.01.00	X		
	ISO20022 XML Pain.008.001.02	X		JOBs with these types must be set up with a single current account.
	ISO20022 XML Pain.008.001.08	X		Folders must also be separated for each single current account.
Foreign Payments\XML Transfer	CBI XML Cross Border Payments vers. 00.01.01	X	X	
	ISO20022 XML Pain.001.001.09	X		JOBs with these types must be set up with a single current account. Folders must also be separated for each single current account.
Foreign Payments\Foreign intracompany fund transfer	CBI XML Cross Border Payments vers. 00.01.01	X	X	
	ISO20022 XML Pain.001.001.09	X		JOBs with these types must be set up with a single current account. Folders must also be separated for each single current account.
Domestic Payments\PagoPA	CBI SEPA Credit Transfer vers. 00.04.01	X	X	
	CBI SEPA Credit Transfer vers. 00.04.00	X		
Domestic Payments\Bollo Auto	CBI SEPA Credit Transfer vers. 00.04.01	X	X	
	CBI SEPA Credit Transfer vers. 00.04.00	X		
Please note that all imports of ISO20022 Pain xxx.xxx.xx type files must first be verified if they are compliant with the CBI rules				

For the other functions the unique type of files, that can be uploaded, is the CBI type of file.

- **“Job path”** if completed with a path, outcome files relating to the upload operation will be created, see chapter "Management of process outcomes"

Scheduling related parameters:

- **“Start”** : start time of the job. It is mandatory to provide this value
- **“End”** : time of the end of the job. It is mandatory to provide this value
- **“Frequency”** : repetition time of the job in the interval between start time and end time. If the frequency is not selected, the job will be executed only once

Valorising "Start time", "End time" and "Frequency" the job is performed starting from the start time until the end time with the indicated frequency. Example setting 6:00 as the start time, 18:00 as the end time and as Frequency 15 minutes, the job starts from 6:00, then every quarter of an hour will be executed and will stop at 18:00.

Parameters relating to scheduling days:

**"Monday Tuesday Wednesday Thursday Friday Saturday"**: these are the days on which the job must be performed. Optional. If not indicated, the scheduling is intended to be carried out today.

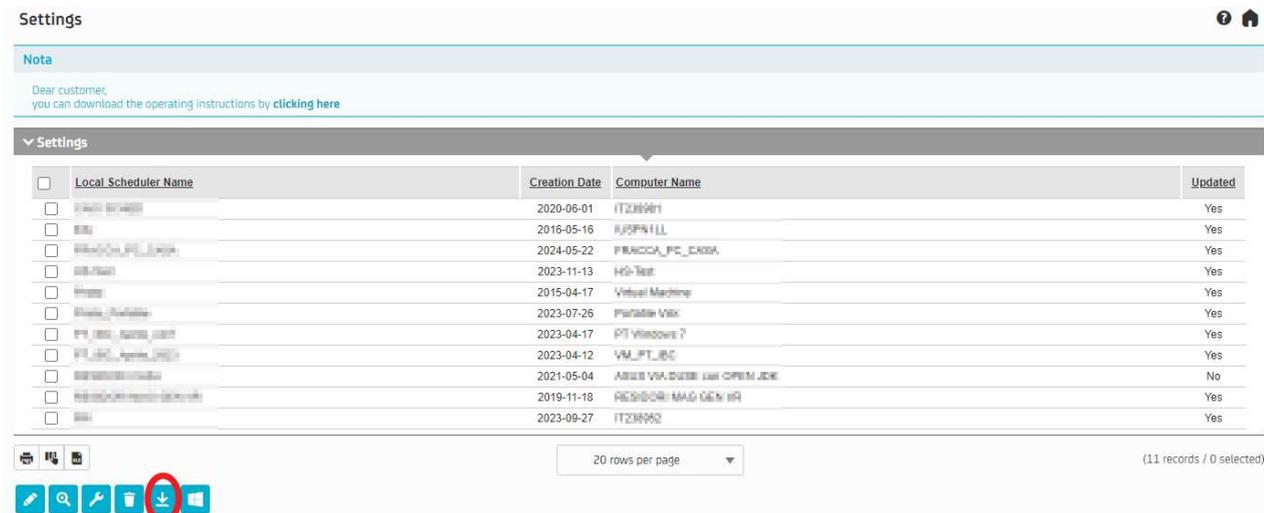
Of course, if multiple days are enabled, the operation will be repeated on the days indicated.



To install the Local Scheduler, you must first download the application locally, this operation can be done from any computer, instead the installation must be done on the PC with the MAC-Address set in the Local Scheduler configuration.

### Standalone version

You must access the Administration section of Uniweb, "Local Scheduler Settings" page, which will contain the list of schedulers (previously created) and the toolbar of the function buttons.



Settings

Nota

Dear customer,  
you can download the operating instructions by [clicking here](#)

Settings

<input type="checkbox"/>	Local Scheduler Name	Creation Date	Computer Name	Updated
<input type="checkbox"/>	Local Scheduler	2020-06-01	ITZM001	Yes
<input type="checkbox"/>	...	2016-05-16	RJOPN111	Yes
<input type="checkbox"/>	...	2024-05-22	FRANCOA_PC_CASA	Yes
<input type="checkbox"/>	...	2023-11-13	WQ-Test	Yes
<input type="checkbox"/>	...	2015-04-17	Virtual Machine	Yes
<input type="checkbox"/>	...	2023-07-26	Parallels VM	Yes
<input type="checkbox"/>	...	2023-04-17	PT Windows ?	Yes
<input type="checkbox"/>	...	2023-04-12	VM_FT_BCC	Yes
<input type="checkbox"/>	...	2021-05-04	ASER VADUDBI con OPEN JOB	No
<input type="checkbox"/>	...	2019-11-18	PCB0001 MAG GEN BR	Yes
<input type="checkbox"/>	...	2023-09-27	ITZM002	Yes

20 rows per page (11 records / 0 selected)

The "Download" button (highlighted in the figure above) allows, after selecting the scheduler (by clicking on the corresponding checkbox), to download a program locally that will allow the installation of the Local Scheduler.

Clicking on the button, a ZIP file with the name of the scheduler will be downloaded locally.

It is possible to download this file in any folder.

Then you will have to unzip the .zip file and the files will be extracted as shown in the following figure

Name	Type	Compressed size
commons-codec-1.4.jar	Executable Jar File	64 KB
commons-httpclient-3.0.1.jar	Executable Jar File	276 KB
commons-io-2.0.1.jar	Executable Jar File	162 KB
commons-lang-2.6.jar	Executable Jar File	283 KB
commons-logging-1.1.1.jar	Executable Jar File	67 KB
httpclient-4.1.jar	Executable Jar File	345 KB
httpcore-4.1.jar	Executable Jar File	184 KB
httpmime-4.1.jar	Executable Jar File	34 KB
javaws.jar	Executable Jar File	412 KB
jshortcut.jar	Executable Jar File	142 KB
log4j-api-2.23.1.jar	Executable Jar File	327 KB
log4j-core-2.23.1.jar	Executable Jar File	1.756 KB
log4j-slf4j-impl-2.23.1.jar	Executable Jar File	30 KB
LSInstaller.jar	Executable Jar File	132 KB
LSInstaller.properties	PROPERTIES File	1 KB
quartz-all-1.8.4.jar	Executable Jar File	456 KB
slf4j-api-1.7.36.jar	Executable Jar File	48 KB

The installation file that must be executed is LSInstaller.jar.

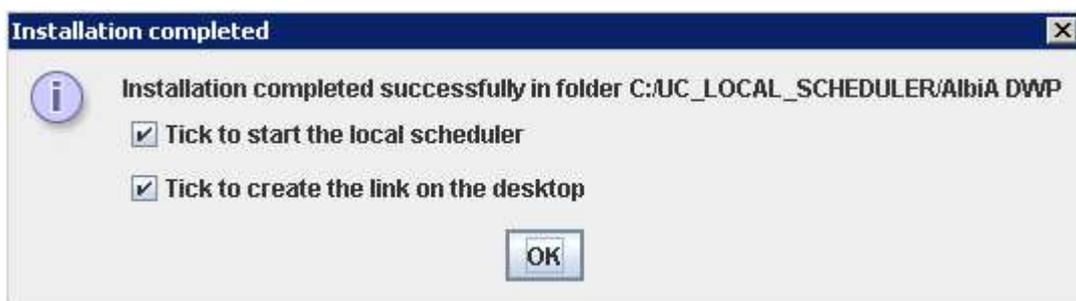
**As mentioned above, Java VM version 1.8 or higher must be installed on the designated computer in order to run the .jar file.**

The installation JAR, once launched, will show the user interface (see the example in the image below) and download all the files necessary for the Local Scheduler to work locally.



At the end of the installation, it will be possible to:

- launch the Local Scheduler
  - create a link on the desktop
- as shown in the image below

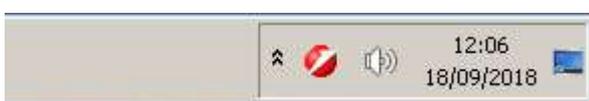


At the end of the installation, the Local Scheduler will be installed in the folder  
C:\UC\_LOCAL\_SCHEDULER\

An icon (like the one below) will be created on the desktop that will allow you to start the Local Scheduler whenever you wish.



The Local Scheduler will also be visible in the Windows bar



## **POINTS OF ATTENTION**

- With standalone mode only, the computer on which the scheduler has been installed to operate must remain switched on with the user session open (computer locked in Ctrl + Alt + Del) otherwise the application will stop working.
- For those who already have a previous version, delete the icon with the connection to the old scheduler which must no longer be started

### Service Version (only Windows OS)

To activate this mode, you must first have carried out the steps of the standalone version.

The button  “Download as Windows Service” allows us to make sure that the Local Scheduler, previously installed locally, can be run as a service of the Windows OS.

The Windows service thus created will automatically launch the Local Scheduler every time the operating system is restarted.

The system will download a JNLP file locally (in any folder it will be fine).

At the browser's request, you can download the file to any folder (and then launch the program with a double click on the downloaded file) or open it directly.

In any case, the downloaded file will take care of executing the commands necessary to create and start the service.

You will get the request to run the JNLP first ...



... and therefore the request for installation by UniWeb.



**Warning:** in addition to checking the version of the operating system, also check the version of Java, select 64 bits only if both are 64, if even Java is 32, select 32 bits on the scheduler.

By clicking on the "Install" button the creation of the service will start.

The service will be created only if you have administrative privileges: you may therefore be asked to elevate the user to administrator via UAC (User Account Control) as in the following image.

In order to automatically restart the scheduler, we need to change the privileges of the User Account.

The message will be proposed during installation:



Figure 1.1 UAC

- Click on link [Change when these notifications appear](#)

#### Choose when to be notified about changes to your computer

User Account Control helps prevent potentially harmful programs from making changes to your computer. [Tell me more about User Account Control settings](#)

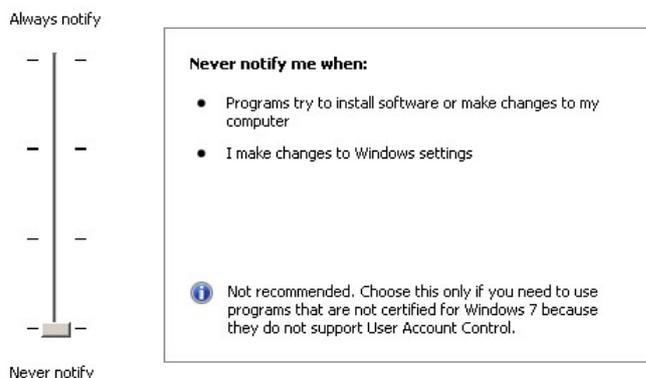


Figure 2.2 UAC

- Setting the level on Never notify

Confirm change of User Account



This allows the scheduler to restart as a Windows service, without having to wait for the manual confirmation of the user.

At the end of the setting, the new account settings will be valid, and the file service .jnlp must be re-launched

At the end of the process you will not find any trace of the Local Scheduler in the Windows bar.



Instead, a new item will be found in the local services as shown in the figure



**Warning:** if the path of the folders used to exchange of flows is on a network disk, see the appendix "Network disk instructions".

To delete the service, from **Command prompt** in the scheduler folder type:  
`namescheduler.exe // DS // namescheduler`

Alternatively, you can run the command prompt opened as administrator:  
`sc delete namescheduler` (e.g. `sc delete AlbiADWP`).

### Local Scheduler update

The Local Scheduler updates are automatic and without interruption; once the version has been updated, an email is sent to all UniWeb administrators indicating that the update has been made, specifying the new version number.

## Standard operation

- definition of new jobs or modification of the schedule of the existing ones
- verification of job execution (Job list) by the UniWeb2.0 Plus administrator
- check downloading and uploading separate from file-system
- use of the local log file

## Definition of new jobs or modification of the schedule of the existing ones

At any time, the UniWeb2.0 Plus administrator can define new jobs, delete those present or modify any parameter.

The scheduler, at 30-minute intervals, rereads its list of activities, and is therefore able to acknowledge the changes (insertion of a new job, modification and cancellation of a job) made without having to be downloaded again.

## Check of job execution by the UniWeb 2.0 Plus administrator

It is possible to check the execution of the scheduled jobs from the menu

*Local Scheduler > Job List*

The column "Last Execution" column shows the date and time when each job was successfully executed the last time.

Selecting a row from the Job list and going into detail at the bottom of the page there is the log of the individual executions of the job

<input type="checkbox"/>	Data esecuzione	Ora esecuzione	Esito
<input type="checkbox"/>	29/11/21	09:00	OK
<input type="checkbox"/>	29/11/21	09:30	PC
<input type="checkbox"/>	29/11/21	10:00	PC
<input type="checkbox"/>	29/11/21	10:30	PC
<input type="checkbox"/>	29/11/21	11:00	PC
<input type="checkbox"/>	29/11/21	11:30	PC
<input type="checkbox"/>	29/11/21	12:00	KO

A job can have one of the following outcomes:

-  The operation was successful. In the case of Download, the operation has been accepted and performed. In the case of Upload, all files have been successfully uploaded and will be visualized displayed with the result "DR=Draft"  ,  "IA=Internal Approval (in case of activation of Internal Approval) or with the result "TS=to be signed"  , in case the upload is locked, if the file is correct. If there are errors that can be handled, the file will be uploaded and will be displayed with the result "Draft - Wrong" 
-  The operation failed and was therefore not carried out. In the case of an Upload job, the files not uploaded are displayed with the result "Discarded Bill" 
- : Result expected only in the case of an Upload job. In this case, only some files have been loaded correctly and are displayed with the result "DR=Draft"  ,  "IA=Internal Approval (in case of activation of Internal Approval) or with the result "TS=to be signed"  , if the upload is locked and if the file is correct. If there are errors that can be handled, the file will be uploaded and will be displayed with the result "Draft – Wrong"  , while the files not loaded are displayed with the result "Discarded Bill"  and are renamed to the original directory with the extension '.err'.
- Below is the detail of a successful job 



If multiple companies and / or accounts have been selected, it is possible to download them in a single .ZIP file by activating the appropriate selection.

The 'Exported file name' option is available only for Download jobs of a single type.

## Upload

Data upload operations from a specific directory will examine all the files saved in the directory indicated for the upload.

Each of them can be:

- left unchanged and not loaded if it is not recognized by the job as being consistent with the type requested for uploading (incorrect company, incorrect account or file type different from the one defined in the job).
- renamed **'err'** if it is recognized, but contains errors of inconsistency with CBI tracks
- renamed **'sent'** when it was taken over and sent to the application. The **'sent'** files are immediately visible on UniWeb2.0 Plus with one of the following three status:



“Draft”



“Internal Approval” (in case of activation of Internal Approval)



“To be Signed”



“Draft - Wrong”

The file with status  “Draft - Wrong” is a file containing errors that can be handled by the application. In this case (as happens with manual upload) the files must be checked and corrected before signing.

During the creation / modification of a Job it is possible to define if you want the file to be deleted or moved after being uploaded, choosing the “Delete files after upload” option: in this way the 'Directory Backup' field is activated, where you can enter a different path than the upload one and where the file will be moved. If no path is entered, the file will be deleted.

Not selecting "Delete file", the file is kept and renamed as mentioned above.

< Job definition ? 🏠

**Job settings**

Job Name: <input type="text"/>	Operation: <input type="text" value="Upload"/>
Scheduler Name: <input type="text" value="Select Scheduler"/>	Order Type: <input type="text" value="Select an Order Type"/>
Company: <input type="text" value="BOPE - MULTISERVIZIO DEMONSTRAZIONE"/>	File Path: <input type="text"/>
Bank: <input type="text" value="Select a bank:"/>	
Account: <input type="text" value="Select an account:"/>	
Delete after upload: <input checked="" type="checkbox"/>	Backup path: <input type="text" value="C:\C0 SCHEDULER\upload\TO DELETE AFTER UPLOAD"/>
Locked: <input type="checkbox"/>	Job Path: <input type="text"/>
Signed Flows: <input type="text" value="No"/>	

**Execution settings**

Start *: <input type="text" value="Select Start Hour"/>	Frequency: <input type="text" value="Select frequency"/>
End *: <input type="text" value="Select End Hour"/>	

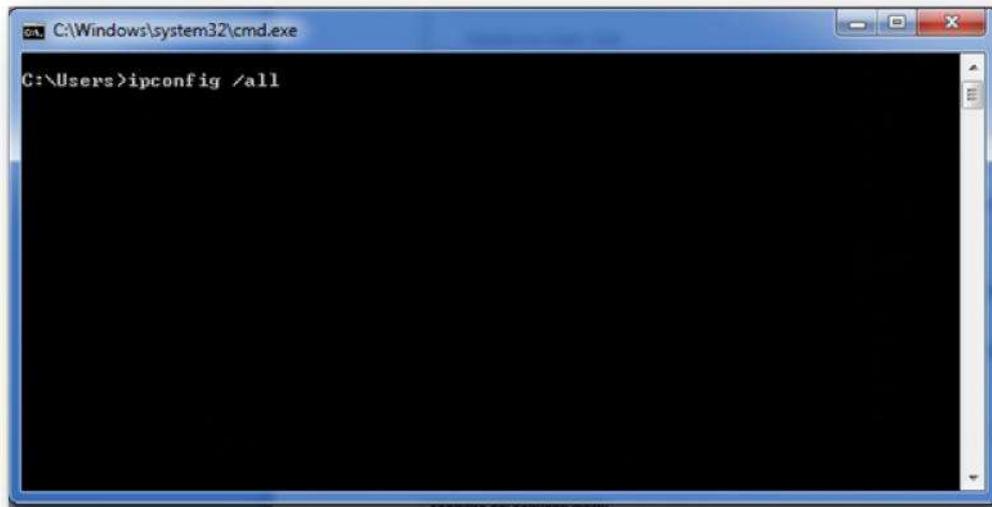
Execute on following days

Monday: <input checked="" type="checkbox"/>	Tuesday: <input checked="" type="checkbox"/>
Wednesday: <input checked="" type="checkbox"/>	Thursday: <input checked="" type="checkbox"/>
Friday: <input checked="" type="checkbox"/>	Saturday: <input type="checkbox"/>

\* The download and/or upload hours present on the pages are related to the CET/CEST time zone

## MAC address identification

The MAC address can be found by going, via Windows "Start" button, in "All programs" > "Accessories" > "Command prompt". In the black screen, type the command "**ipconfig /all**" and press enter to run it



The physical address field contains what is requested.

It is a code (formatted 'XX-XX-XX-XX-XX-XX') that can be entered or copied and pasted in the MAC address field of the input mask.

## Technical Log

For more detailed research in case of anomalies, a file with technical logs is available to be provided to the help desk for assistance, the path is

***"C:\ UC\_LOCAL\_SCHEDULER\logs\LocalScheduler.log.data.txt"***

## **Log deletion**

In some cases, when profiling with many companies / accounts and consequently many jobs, the log files could take up a lot of space, especially if scheduled every 5 minutes; in this case after a certain period of time, it would be useful to delete the old files, insert it under the batch command to be launched manually or create in a periodic task:

***forfiles -P "c:\ UC\_LOCAL\_SCHEDULER\logs " -D -60 -C "cmd /C del @file"***

where **-60** (modifiable at will) is the number of days from which the deletion starts, in this example it keeps 60 days of log; the check is performed on the modification date.

## Scheduler Report

Select the CBI label.

Menu item **Information - Scheduler report**

The following "Local Scheduler Report" screen will be displayed, in which the **Filter** section is located, based on the type of operation selected, the mandatory fields to be selected change:

**Local Scheduler Report**

**Filter**

Load Filter:

Type:

Flow type:

Last modified from:  

Last modified to:  

In the case of **Download** (above) it is possible to filter by flow type.

**Local Scheduler Report**

**Filter**

Load Filter:

Type:

Company:

Bank:

Account:

Flow type:

Status:

Last modified from:  

Last modified to:  

In the case of **Upload** (above) it is possible to filter by 'Company', 'Bank', 'Report', 'Flow type' and 'State'

Select the values for the **Filter** fields, click the button "confirmation".

Once the search has started, the following screen will appear:



## Management of process outcomes

Tracking of the progress of the disposal flows processing has been implemented, prepared by the Customer and taken over by the eBanking application, in particular the process outcomes will be tracked

- In the section from the Client's station to taking charge of the flow in the UniWeb server (Section Code = C01)
- In the processing section within UniWeb (Section Code: S01)

### Management of process outcomes generated during the Upload of flows

Blocking errors relating to the formal regularity of the flow will be highlighted in the Log of the Local Scheduler, as well as errors currently managed in this processing phase.

The reports already present in the Java Console log will also generate process outcome flows which will be stored in a specific directory defined at the Job List configuration level, to which will be added the results referring to events not tracked in the log of the Java Console.

The management of the process outcomes will be tied to the enhancement, in the Upload Job, of the destination directory in the appropriate field ("Job Path").

The screenshot shows the 'Job definition' configuration page. The 'Job settings' section includes fields for Job Name, Scheduler Name, Company, Bank, Account, Delete after upload, Locked, Signed Flows, Operation, Order Type, File Path, Backup path, and Job Path. The 'Job Path' field is highlighted with a green oval. The 'Execution settings' section includes Start and End times, Frequency, and a list of days to execute on (Monday, Wednesday, Friday, Tuesday, Thursday, Saturday).

The field will always be visible for Upload operations and, if filled in, will activate the generation of process results independently of the activation of the "Signed Flows" functionality.

The nomenclature of the outcome files that will be generated in the folder will be linked to the Support ID, the SIA code and the date the support was created, and not to the name of the processed files.

### Management of notifications about flow processing status

The process results generated, referring to any errors or changes in the status of the flow, will be made available by the same Local Scheduler Upload Job in the folder previously indicated "FF Outcome Path".

To distinguish the "process phases" in the track header (see specific paragraph) there is already a "Section Code": the "record type" remains E1 in case of error and C1 in case of OK result. In case of E1, further detail of the point where the error occurred can be seen from the "Section Code".

## Appendix

### Structure of the "Process outcome" flows

The flows related to the process outcomes will refer to the following structure:

- Head with identification C1 or E1
- 1 to n Body records
- Queue with identification EF
- Content of single fixed-length records 120 characters.

The structure and content of the individual records are described below:

#### Record type C1/E1 – Head

Data	Data type	F/O/Default	From	To
Filler	C	0	1	1
Tipo record	C	"C1"/"E1"	2	3
Codice SIA	C	0	4	8
Codice ABI	C	0	9	13
Data creazione supporto (aaaammgg)	D	0	14	21
Nome supporto	C	0	22	56
Nome file originale	C	0	57	96
Data creazione file di esito (aaaammgg)	D	0	97	104
Ora creazione file di esito (hh:mm:ss)	C	0	105	112
Codice tratta di generazione dell'esito	C	0	113	115
(a disposizione)	C	F	116	120

#### Record type C1/E1 - BODY (from 1 to n record, from head to tail)

Data	Data type	F/O/Default	From	To
Filler	C	0	1	1
Codice Errore	C	F	2	5
Descrizione dell'esito/errore	C	0	6	120

#### Record type C1/E1 - Tail

Data	Data type	F/O/Default	From	To
Filler	D	0	0	1
Tipo record	C	"EF"	2	3
Codice SIA	C	0	4	8
Codice ABI	C	0	9	13
Data creazione supporto (aaaammgg)	D	0	14	21
Nome supporto	C	0	22	56
(a disposizione)	C	F	57	120

**Description of products code**

Below there is the list of managed products and the related "File\_type" descriptions used in the outcome description (for example for errors of the type: "Invalid file type error"):

Function	File type
Assegni Circolari	BNKDR
Bonifico Estero	BONES
Bonifico Estero XML	SEPES
Girofondo Estero	SEPES
Bonifico Urgenti XML	SEPAU
Pagamenti Tesoreria T2	SEPGU
MT101	BONMT
Assegni Quietanza	CHQRM
F24	F24
CBILL PagoPA	CPAGP
CBILL Bollo Auto	CBOLA
AFE cessione del credito	INVC
AFE Mandato all'incasso	INVC
AFE verso PA	INVPA
RIBA	RIBA
MAV	MAV
Gestione Effetti	RITEF
SEDA	SEDA
Bonifico SEPA	SEPA
Sepa Direct Debit B2B	SEPAB
Sepa Direct Debit Core	SEPAC
Stipendi SEPA	SEPAS
Giroconti SEPA	SEPGA
Girofondi SEPA	SEPGF

**Description outcome code**

The following reports are provided in the process outcome flow:

Description of existing Process Outcomes	
Outcome Code (BODY 2-5)	Outcome description (BODY 6-120)
E001	Error accessing Local Scheduler directory Read / write permissions are missing or the path is incorrect [ <i>Descr_Path</i> ]. The job [ <i>Nome_job</i> ] it will be finished
E002	Invalid file type error [ <i>Descr_Path</i> + <i>File_Name</i> ] file type [ <i>Tipo_File*</i> ] NOT recognized
E003	Generic Error ERROR_VALIDATION; Operation temporarily unavailable.   Please try again later.
E004	Error uploading file into Order Storage ERROR_VALIDATION; Could not upload file [ <i>File_Name</i> ] into Order Storage. There are formal errors. Formal error:[ <i>Descr_Errore**</i> ]
E005	Report error not found ERROR_VALIDATION;Message displayed: Operation temporarily unavailable.   Please try again later. Report not found. Exception Message: class bf.geb.parser.it.cbi.rid.CBIImport Error: null or empty Account.
E100	ERROR_SIGNATURE; Invalid signature

E101	ERROR_SIGNATURE: PKBOX error
E102	ERROR_SIGNATURE: Signature file not found
E103	ERROR_EXT_SIGNATURE: wrong signature
E104	ERROR_EXT_SIGNATURE: File not found
E105	ERROR_EXT_SIGNATURE: PKBOX Error
E106	ERROR_EXT_SIGNATURE: Invalid data
E107	ERROR_EXT_SIGNATURE: wrong Encoding
E108	ERROR_PROFILATURA: Call error to recover CUSTOMER IDENTITY and SIGNATURE TYPE
E109	ERROR_PROFILATURA: Tax code absent
E110	ERROR_PROFILATURA: IDENTIFICATIVO CLIENTE e TIPO FIRMATARIO assenti per il Codice Fiscale
E111	ERROR_PROFILATURA: TIPO FIRMATARIO assente per il Codice Fiscale
E112	ERROR_PROFILATURA: IDENTIFICATIVO CLIENTE assente per il Codice Fiscale
E113	ERROR_CERTIFICATES: The UID [Descr UID] has no associated valid certificates
E114	ERROR_CERTIFICATES : Certificate verification management for external users not enabled
E115	ERROR_SIGNATURE; Signature limit check failed
E116	ERROR_FRAUD; Grave anomalia presente nel file. Contattare contact center fraudolento (
E117	Error extracting Base64 from the xml envelope of the CBI2 file
E118	Error saving signature in table
E119	User not enabled to the Job of signed flows
E120	Error checking certificates
E121	Error in the final phase of status change
E122	Error extracting flow and signing from zip CBI1
E123	Error closing stream
E124	Error closing log stream
E125	Unexpected error
E126	Error: type of signature used inconsistent with what is indicated in the xml envelope of the signed file
I001	INFO; file uploaded by UniWeb
I002	INFO; file uploaded by UniWeb and sent to carriers

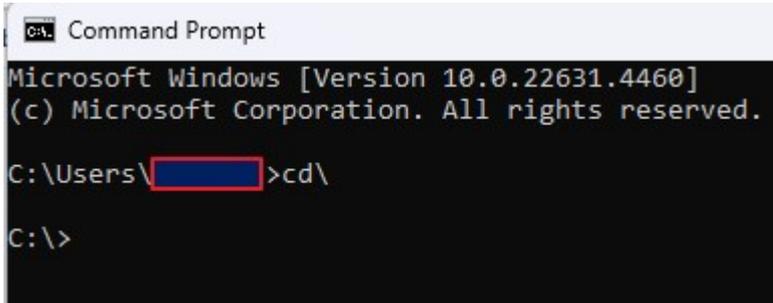
## Network disk instructions

If the scheduler has been installed as a service and the exchange folders are located in a network path, it is necessary to create a dynamic link locally to allow the service to detect the network path when the PC is turned on but without any Windows user logged in.

It is recommended to contact your IT department for support in the procedure.

The steps are reported below:

Open Command Prompt and position yourself on the C:\ disk.



```
Command Prompt
Microsoft Windows [Version 10.0.22631.4460]
(c) Microsoft Corporation. All rights reserved.

C:\Users\>cd\

C:\>
```

Type the necessary commands to get to the desired local folder where you want to place the dynamic link.

Next, type the command `mklink /d C:\desired path\link folder \\network path`.

Pressing the ENTER key should obtain a message that the dynamic link is created for the “link folder”

By opening the created link from Windows Explorer you will be redirected to the network path.

In the path of each download and upload job you will then have to indicate the path indicated in the creation of the dynamic link: C:\desired path\link folder, to which the specific subfolder of the chosen function must be added.

Example:

```
C:\SCHEDULER\UNIWEB\STATEMENTS
(C:\desired path\link folder\function)
```