



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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<u>Premise</u>

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 preestablished 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 <u>'unigeb.unicreditcorporate.it'</u> 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.

<u>Menu</u>

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 I	nsert				0 角	
L.Scheduler Name						
Techinical Settings						
Host		IP a	address			
MAC address						
Proxy Settings						
Proxy User		Hos	st IP			
Proxy Pwd		Hos	st Port			
Contact Data						
Email		Pho	ine			
Repeat Email						

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:

ilter		
Load Filter:	Choose a filter:	v
Scheduler Name:	Select Scheduler	~
Operation:	Select a type	~
Job name		

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

Local Scheduler	Job Name	Company	Operation	Order Type	Last Execution	Activated
I IN BRICH SHI SHE H	BOSP FIRMA NATIVA	New York Control of the second share	Upload	SEPA	03/12/2024 17:00	Yes
INCOME NAME OF THE	BOSP da ISO v.10	NUMBER OF STREET, STRE	Upload	SEPA	03/12/2024 17:00	Yes
I THE REPORT OF A DESCRIPTION	BOSP DA ISO v.3	International Contraction and	Upload	SEPA	03/12/2024 17:00	Yes
ing ship care and table and	BOSP LOCKED	New York Advanced in the address of the	Upload	SEPA	03/12/2024 17:00	Yes
Internet was new off	BOSP UNLOCKED	result control of posts, and	Upload	SEPA	03/12/2024 17:00	Yes
Internet of the second second second	BOSP VERS PREC 04 00	Interfactories, Charlenge, Statis	Upload	SEPA	03/12/2024 17:00	Yes
 MERCONCINENCE OF MIL 	BOSP XXL	NUMBER OF STREET, STRE	Upload	SEPA	03/12/2024 17:00	Yes
International parts parts with	CBILL PAGOPA	terrority second city at the	Upload	CPAGP	03/12/2024 17:00	Yes
In the state base should be	CBILL PAGOPA FIRM	New York Control of the State State	Upload	CPAGP	03/12/2024 17:00	Yes
I THE REPORT AND A DEPARTMENT	Download ALL	March Created Collected, And	Download	All	03/12/2024 16:55	Yes
International and the set	DOWNLOAD RH	Network Contract of Contracts, Albert	Download	RH	03/12/2024 12:45	Yes
I HE DOCTOR AND DOT AN	Esiti SEDA	NUMBER OF STREET, STRE	Download	ESSEDA02	03/12/2024 13:45	Yes
International and advanta	GIFO EST - FIRMA NAT	March Technology, Charlens, And	Upload	SEPES	03/12/2024 17:00	Yes
Internet and the set	GIFO EST LOCKED	New York States and the second street	Upload	SEPES	03/12/2024 17:00	Yes
Internet and new str.	GIFO EST UNLOCKED	Next Provide Construction	Upload	SEPES	03/12/2024 17:00	Yes
HERECAS and Data MI	GIFO SEPA 04 01 UNLO	many fire reasonal of the second starts	Upload	SEPGF	03/12/2024 17:00	Yes
I HE DOOR HALL DON HE	SCTE FIRMA NATIVA	NUMBER OF STREET, STREET, STREET,	Upload	SEPES	11/09/2024 16:30	No
International parts and	SCTE FIRMA 06170	terror descent of a second	Upload	SEPES	03/12/2024 17:00	Yes
I HE BOOK AND DON HE	SCTE ISO v10	NAMES OF TAXABLE PARTY AND ADDRESS OF TAXABLE PARTY.	Upload	SEPES	03/12/2024 17:00	Yes
Internet and pay at	SCTE LOCKED	Manufacture and a state of the second	Upload	SEPES	03/12/2024 17:00	Yes

Click the button ² for a new insertion, the mask will open with all the fields necessary for the definition of a new job

< Job definition						0 🖪
Job settings						
Switch to advan	ced mode					
Job Name			Operation	Download	~	
Scheduler Name	Select Scheduler	~	Order Type	Select an Order Type	~	
Company:	BOPE - MULTICANALE DEMONILAND	~	Directory Path			
100 CV5 cv2			During first execution download files from			
Execution settings						
Start *	Select Start Hour	~	Frequency	Select frequency	*	
End *	Select End Hour	~				
Execute on following days						
Monday			Tuesday			
Wednesday			Thursday	✓		
Friday			Saturday			
\odot						

"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.

0

Download

h cattinde					
osecongs					
Switch to advan	iced mode				
ob Name			Operation	Download	~
icheduler Name	Select Scheduler	~	Order Type	Select an Order Type	~
ompany:	BOPE - MULTICANALE DEMOMILAND	~	Directory Path		
			During first execution download files from		
ecution settings					
tart *	Select Start Hour	~	Frequency	Select frequency	~
nd *	Select End Hour	~			
ecute on following days			Tuesday		
xecute on following days Ionday			Thursday	\checkmark	
ecute on following days onday ednesday					
ecute on following days Inday Idnesday day			Saturday		

- "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 advanc	ced mode					
Job Name			Operation	Download	~	
Scheduler Name	Select Scheduler	~	Order Type	Select an Order Type	~	
Company:	BORE - MULTICANALE DEMONILAND	~	Directory Path			
			During first execution download files from			

Upload

< Job definition					0
ob settings					
Job Name			Operation	Upload	~
Scheduler Name	Select Scheduler	~	Order Type	Select an Order Type	~
Company:	NOT TRACTORY DISCOURSES	~	File Path		
Bank:	Select a bank:	~			
Account:	Select an account:	~			
Delete after upload					
ocked			Backup path		
Signed Flows	No	~	Job Path		
xecution settings					
Start *	Select Start Hour	~	Frequency	Select frequency	~
End *	Select End Hour	~			
Execute on following days					
Monday			Tuesday		
Wednesday			Thursday		
Friday			Saturday		
0					

* 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 operates

- **"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 singole 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.

UniCredit Group - Public

FUNCTION	TYPE OF STANDARD FILES THAT CAN BE IMPORTED	Upload via Local Scheduler	Upload of files already equipped with DIGITAL SIGNATURE	NOTES
	CBI SEPA Credit Transfer vers. 00.04.01	x	x	
SEDALT	CBI SEPA Credit Transfer vers. 00.04.00	x	jj	
SCEMITIAnsier	ISO20022 XML Pain.001.001.03	x		
	ISO20022 XML Pain.001.001.09	X		
	CBI SEPA Credit Transfer vers. 00.04.01	x	×	
CEDA(Calavian	CBI SEPA Credit Transfer vers. 00.04.00	x		
OLFAIDalaries	ISO20022 XML Pain.001.001.03	x		
	ISO20022 XML Pain.001.001.09	x	8	
	CBI SEPA Credit Transfer vers. 00.04.01	x	x	
SEPAIIntracompa	CBI SEPA Credit Transfer vers. 00.04.00	x		
ny Dankrrund transfer	ISO20022 XML Pain.001.001.03	x		
(Glibici	ISO20022 XML Pain.001.001.09	x		
	CBI SEPA Credit Transfer vers. 00.04.01	x	x	
SEPAIXML	CBI SEPA Credit Transfer vers. 00.04.00	x		
urgent payment	ISO20022 XML Pain.001.001.09	x		
	CBI SEPA Credit Transfer vers. 00.01.01	x	x	
Direc Debit\Direct	CBI SEPA Credit Transfer vers. 00.01.00	x		
Debit CORE	ISO20022 XML Pain.008.001.02	x		JOBs with these types must be set up with a single current
	ISO20022 XML Pain.008.001.08	x		account. Folders must also be separated for each single current account.
	CBI SEPA Direct Debit vers. 00.01.01	x	x	
Direc Debit\Direct	CBI SEPA Direct Debit vers. 00.01.00	x		
Debit B2B	ISO20022 XML Pain.008.001.02	x		JOBs with these types must be set up with a single current
	ISO20022 XML Pain.008.001.08	x		account. Folders must also be separated for each single current account
Foreign	CBI XML Cross Border Payments vers. 00.01.01	x	x	
Payments\XML Transfer	ISO20022 XML Pain. 001.001.03	×		JOBs with these types must be set up with a single current account. Folders must also be separated for each single current account.
Foreign	CBI XML Cross Border Payments vers. 00.01.01	x	x	· · · · ·
Payments\Foreig n intracompany fund transfer	ISO20022 XML Pain.001.001.09	×		JOBs with these types must be set up with a single current account. Folders must also be separated for each single current account.
Domestic Domestic	CBI SEPA Credit Transfer vers. 00.04.01	x	×	
PaymentsiPagoP A	CBI SEPA Credit Transfer vers. 00.04.00	x		
Domestic	CBI SEPA Credit Transfer vers. 00.04.01	x	x	
Payments\Bollo Auto	CBI SEPA Credit Transfer vers. 00.04.00	x		
	Plase note that all imports of ISO20022 Pain xxx.xx	к. xx type files п	nust first be verified i	f they are compliant with the CBI rules

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

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.

Once the new job is confirmed 🙋 , you will return to the list of inserted jobs:

∧ Filter	applied						
✓ Local	Scheduler Jobs List						
	Local Scheduler	Job Name	Company	Operation	Order Type	Last Execution	Activated
	He wild been done which whi	BOSP FIRMA NATIVA	Reconfiguration and the adjustic address	Upload	SEPA	03/12/2024 17:00	Yes
	REDUCTION AND DES VIE	BOSP da ISO v.10	NUMBER OF STREET, STRE	Upload	SEPA	03/12/2024 17:00	Yes
	the maintain panel taking and	BOSP DA ISO v.3	March Connect Constraint, And	Upload	SEPA	03/12/2024 17:00	Yes
	HERODOW AND DOIN HE	BOSP LOCKED	New York Research of the Stational Social	Upload	SEPA	03/12/2024 17:00	Yes
	TRANSPORTATION AND ADDRESS AND	BOSP UNLOCKED	result conversion providence	Upload	SEPA	03/12/2024 17:00	Yes
	HERODAY SHOULD BE AN	BOSP VERS PREC 04 00	Manageria and and and and a second second	Upload	SEPA	03/12/2024 17:00	Yes
	ALTERNATION AND DESK AN	BOSP XXL	NUMBER OF STREET, STRE	Upload	SEPA	03/12/2024 17:00	Yes
	the balance's genue come who	CBILL PAGOPA	March Connect Constraint, And	Upload	CPAGP	03/12/2024 17:00	Yes
	HERE AND AND ADDRESS	CBILL PAGOPA FIRM	New York and the second second	Upload	CPAGP	03/12/2024 17:00	Yes
	DESCRIPTION AND ADDRESS AND	Download ALL	result Connect Company, entry	Download	All	03/12/2024 16:55	Yes
	Highlight and birs of	DOWNLOAD RH	Record Control and Address	Download	RH	03/12/2024 12:45	Yes
	HEREING MADE AND	Esiti SEDA	NUMBER OF STREET, STRE	Download	ESSEDA02	03/12/2024 13:45	Yes
	the matrix the series of the	GIFO EST - FIRMA NAT	March Connect Controls and	Upload	SEPES	03/12/2024 17:00	Yes
	HEROTH HAD DON HIS	GIFO EST LOCKED	New York and a state of the second	Upload	SEPES	03/12/2024 17:00	Yes
	DESIGNATION AND DES VIL	GIFO EST UNLOCKED	New York, N	Upload	SEPES	03/12/2024 17:00	Yes
	HERE AN AND DRIVE WE	GIFO SEPA 04 01 UNLO	New York Handword of the Article Advects	Upload	SEPGF	03/12/2024 17:00	Yes
	NUMBER AND DES AS	SCTE FIRMA NATIVA	Manufer and an an an and	Upload	SEPES	11/09/2024 16:30	No
	the desiries parts taken and	SCTE FIRMA 06170	Brown of Concept Stations, And	Upload	SEPES	03/12/2024 17:00	Yes
	HERODAL WAS DON'T	SCTE ISO v10	NUMBER OF STREET, STRE	Upload	SEPES	03/12/2024 17:00	Yes
	In the other ways party with	SCTE LOCKED	and the property of the property of	Upload	SEPES	03/12/2024 17:00	Yes

The list will contain a list of all the defined jobs, on which UniWeb2.0 Plus standard operations are possible.

In particular the buttons

⊘ Enable

Enable the selected job

Disable

Disable the selected job

They refer to the possibility of making a configured job active / inactive.

The local application update (which incorporates any new activities, cancellations and / or deactivations of existing lists) has a frequency of 30 minutes.

N.B: The changes made to the list of operations to be performed (insertion of a new job, modification and cancellation of a job) may therefore not be implemented immediately but may be active within a maximum time of 30 minutes.

Local download and installation of the scheduler on the previously defined machine

The scheduler can be installed in 2 different ways:

- standalone version

- Service version (only for Windows OS)

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.

				Nota
			ustomer, In download the operating instructions by clicking here	Dear c you ca
			ngs	✓ Setti
Update	Computer Name	Creation Date	Local Scheduler Name	
Yes	(12)(9)(2020-06-01	LAN BORD	
Yes	USPN1U.	2016-05-16	E.C.	
Yes	PERCOA_PC_CASA	2024-05-22	Read Co. P. Logis	
Yes	HQ-Text	2023-11-13	10.000	
Yes	Vitual Machine	2015-04-17	Frate	
Yes	Partada Vax	2023-07-26	Frank, Norlation	
Yes	P1 Vietovs ?	2023- <mark>04-1</mark> 7	11,000,0000,000	
Yes	VM_PT_80	2023-04-12	PLRLAW, ND	
No	ABUR VA DUBE LIN OPEN JDK	2021-05-04	The second se	
Yes	RESIDORI MAGIGEN VR	2019-11-18	NO CONTRACTOR AND	
Yes	1728692	2023-09-27	88	
(11 records / 0 se	rows per page 🔻	20 r		115

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	Туре	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, the Local Scheduler will be installed in the folder C: \ UC_LOCAL_SCHEDULER \ <scheduler name>

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 ...

	Name:	Local Scheduler Service
<u>(</u>	Publisher:	UNICREDIT
E	Locations:	https://
		Launched from downloaded JNLP file
is application w ormation at risl	ill run with unrestri <. Run this applicati	cted access which may put your computer and personal ion only if you trust the locations and publisher above.

... 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:



• 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

- [_	Never notify me when:
		 Programs try to install software or make changes to my computer
-	-	I make changes to Windows settings
-	_	
_	1-	Not recommended. Choose this only if you need to use programs that are not certified for Windows 7 because they do not support User Account Control.
Never no	otify	

• 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 relaunched

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

🔕 Services (Local)	1				
LSService[AlbiADWP]	Name 🔶	Description	Status	Startup Type	Log On As
	🔍 Link-Layer Topolog	Creates a		Manual	Local Service
Stop the service	LSService[AlbiADWP]	LSService	Started	Automatic	Local System
Restart the service	🧠 Media Center Exte	Allows Med		Disabled	Local Service

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 administratr: *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

✓ Lista Log			
	Data esecuzione	Ora esecuzione	Esito
	29/11/20	05/16	OK
	29/11/21	24.38	PC
	29/11/21	05.58	PC
	29/11/21	05.40	PC
	29/11/2	04:30	PC
	29/11/21	05.28	ко

A job can have one of the following outcomes:

DR

• OK 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" DR, IA "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" DR, A "IA=Internal Approval (in case of activation of Internal Approval) or with the result "TS=to be signed" s, 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" R, 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 🚾

< Dett	aglio lo	g							0 A
∨ Detta	glio log								
	Banca	Iban	Azienda	ID supporto	Data Upload	Importo	Stato	Tipo flusso	Nome file originale
	05034	President of the second second	1201-00	DistintaXml-281124-23.2!	29/11/202 = 6:00	701.018,41	AF	SEPDD	125 xml
	03104	- provide the second second	1787.00	DistintaXml-281124-23.2	29/11/202 6:00	2.912.082.04	AF	SEPDD	767.xml
					29/11/202 6:00	0,00	ER	SEPAC	297 xml
e 0	K 🔫 🖥				100 righe per pagina 🛛 🔻				(3 elementi / 0 selezionati)
Q									

In the event that a job has not been successful, you can see the error that caused the discard, entering the log detail and then the file detail.

Descrizione Conto ordinante errato	escrizione onto ordinante errato	Errori log		18
Conto ordinante errato	onto ordinante errato	Descrizione		
		Conto ordinante errato		
				_

In the event that a file is not recognized as homogeneous with the type requested for uploading (incorrect company, incorrect account or file type different from the one defined in the job) it will not be taken into consideration.

Check download and upload transfer list from file-system

Download

The download operations provide a directory where to save the data downloaded from the application.

With the default settings, a file will be created for each of the required types and for each execution of the activity.

Advanced settings

If you have to use a unique file name and / or want to concatenate the information data within that same file,

- > use the advanced JOB insertion mode (with *switch to advanced mode* from job insertion)
- choose the option 'exported file name' and indicate the name of the file

utilizza nome file generato automaticamente	Scarica i dati senza	_
Nome file esportato	creare un file .ZIP	
NomeFile.txt	Aggiungi a file	[T]
	esistente	

In this way, each execution will create a file with the indicated name, overwriting the previous one if already present.

Check 'Add to existing file' if you want to concatenate the data of the new execution with those previously downloaded.

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 ^{IR} "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					0 1
lob settings					
Job Name			Operation	Upload	~
Scheduler Name	Select Scheduler	~	Order Type	Select an Order Type	~
Company:	BEFFE - MULTICARAGE DEMONSARIAND	~	File Path		
Bank:	Select a bank:	~			
Account:	Select an account:	~			
Delete after upload	Ø				
Locked			Backup path	C:\C0 SCHEDULER\upload\TO DELETE AFTER UPLOAD	
Signed Flows	No	~	Job Path		
Execution settings					
Start *	Select Start Hour	~	Frequency	Select frequency	~
End *	Select End Hour	~			
Execute on following days	E				
Monday			Tuesday		
Wednesday	×		Thursday		
Friday			Saturday		
\odot					

* 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

C:\Windows\system32\cmd.exe		
:\Users≻ipconfig ∕all		-
		(5)
a anti-time decised	LIMITED CREATERS	

The physical address field contains what is requested.

It is a code (formatted '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**

UniCredit Group - Public

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:

Filter		
Load Filter:		~
Type:	Download	~
Flow type:	Select an Order Type	~
Last modified from:	16/12/2024	
Last modified to:	19/12/2024	F

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

ilter		
Load Filter:		v
Type:	Upload	v
Company:	start multivarial protestaria	Ý
Bank:	Select a bank:	v
Account:	Select an account:	~
Flow type:	Select an Order Type	×
Status:	All "in progress"	~
Last modified from:	16/12/2024	
Last modified to:	19/12/2024	

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:

Det	taglio lo	g								
	Banca	Iban	Azienda	ID supporto	Data Esecuzione	Importo	Esito	<u>Tipo</u> flusso	Tipo	Numer
	02008	IT65E02008000000000000000000	K1357	BONI301220111523	17/02/2012 10:30	15.00	0	BONIF	Upload	з
	02008	IT85B0200800000000000000000000000000000000	K1357	BONI060120120322	17/02/2012 10:30	15.00	•	BONIF	Upload	3
	02008	17858020080000000000000000000000000000000	K1357	BONI051220112000	17/02/2012 10:30	15.00	10	BONIF	Upload	3
	62008	1785802008000000000000000000000	K1357	BONI060920110954	17/02/2012 10:30	15.00		BONIF	Upload	з
	02008	17858020080000000000000000000000000000000	K1357	BONI030220120935	15/02/2012 16:30	15.00	•	BONIF	Upload	3
			00039514	RH20120213085510.bd	13/02/2012 08:55	0.00	0K	RH	Download	0
	02008	IT8586200800000000000000000000000000000000	373Y2	BONES201202100626648	10/02/2012 09:49	4.38	B	BONES	Upload	1
	03226	IT65B0200600000000000000000000000000000000	373Y2	CHQRM201202071052308	09/02/2012 16:55	2.00		CHORM	Upload	2
	03226	IT85E0200800000000000000000000000000000000	373Y2	CHGRM201202071052308	09/02/2012 16:44	2 00	ER	CHQRM	Upload	2
	03226	17858020080000000000000000000000000000000	373Y2	CHQRM201202071052308	09/02/2012 16:19	2.00		CHORM	Upload	2
6										5

The table displays the status of each CBI file transferred from the UniWeb 2.0 Plus application, on pre-established corporate servers / PCs and each CBI file transferred from the corporate servers/PCs to the UniWeb2.0 Plus application.

The possible status of files differentiates according to the type of operation.

In Download case, the only possible state is:

• OME : The operation was successful, the operation was accepted and executed.

In Upload the possible status are:

- Begin "Draft", the operation was successful
- Internal Approval" (in case of activation of Internal Approval)
- To be signed", the operation was successful, and upload locked was selected
- Draft Wrong", the operation was successful but there are errors that can be managed
- 🖪 "Error", the file was not uploaded.

Selecting a file with status 💷 and entering into Error Logs 🔍 you can see the error that caused the discard.

NB: By printing and exporting the data, the detail of the error will not be visible.

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 = CO1)
- 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").

ob Name Operation Upload cheduler Name Select Scheduler Order Type ianak: Select a bank: Image: Select a bank: cocourti Select a bank: Imag	b settings					
icheduler Name Select Scheduler Order Type Select an Order Type Image: Ima	ob Name			Operation	Upload	~
anic Select a bank Image: Count Select a bank ccount Select a account: Image: Count cibic a flow in the intervence of the inte	cheduler Name	Select Scheduler	~	Order Type	Select an Order Type	~
nk: Select a bank: Select an account: Select fraguency	mpany:	mant machined blockered	~	File Path		
select an account: select an account: iste after upload	ink:	Select a bank:	~			
kete after upload cked geed Flows No Job Path	count:	Select an account:	~			
cked Backup path gned Riows No Job Path cution settings Select Start Hour Frequency art* Select Start Hour Select frequency od* Select field Hour Select frequency extree on following days Tuesday Image of the select frequency extree on following days Tuesday Image of the select frequency od on Tuesday Image of the select frequency	elete after upload					
gned Flows No Job Path scution settings	ocked			Backup path		
ecution settings tart * Select Start Hour Select End Hour Select End Hour Condey Conde	gned Flows	No	~	Job Path	\subset	
tart* Select Start Hour requency. Select frequency nd* Select End Hour secute on following days lednesday Image: Select Secure Compared Secure	ecution settings					
Image: media and and and and and and and and and an	tart *	Select Start Hour	~	Frequency	Select frequency	~
ecute on following days anday I Tuesday I edresday I Thursday I day I Saturday	id *	Select End Hour	~			
anday Tuesday Tuesday Saturday Saturday	ecute on following days					
ednesday 🗹 Thursday 🗹	onday			Tuesday		
iday 🗹 Saturday 🗌	/ednesday			Thursday	V	
	iday			Saturday		

The field will always be visible for Upload operations and, if filled in, will activate the generation of process results indipendently 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	F/O/Default	From	То
	type			
Filler	С	0	1	1
Tipo record	С	"C1"/"E1"	2	3
Codice SIA	С	0	4	8
Codice ABI	С	0	9	13
Data creazione supporto (aaaammgg)	D	0	14	21
Nome supporto	С	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)	С	0	105	112
Codice tratta di generazione dell'esito	С	0	113	115
(a disposizione)	С	F	116	120

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

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

Record type C1/E1 - Tail

Data	Data	F/O/Default	From	То
	type			
Filler	D	0	0	1
Tipo record	С	""EF"	2	3
Codice SIA	С	0	4	8
Codice ABI	С	0	9	13
Data creazione supporto (aaaammgg)		0	14	21
Nome supporto	С	0	22	56
(a disposizione)	С	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> + File_Name] 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
1001	INFO; file uploaded by UniWeb
1002	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.



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)