MOMI Readme Date 2026/03/09

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This file contains the latest version and upgrade information. This file is the first place to look for initial installation and upgrade information.

Please thoroughly read and accept the License Agreement as displayed in the installer before using this software.

For an initial installation see **First Installation** which describes the installation process from start to finish.

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Compatibility between client and server

The ability of our customers to upgrade as painlessly as possible to a new MOMI release is important to us.

Our standard release migration recommendation is to upgrade the server first and the client second within a release series (i.e. 4.xx, 5.xx and 6.xx). Normally, when a release series changes, both the client and server must both be upgrade at the same time. However, a 5.xx client will operate with MOMI 6.xx.

Please check below for *Oldest client version tested with server*.

Note that not all features may operate when running a combination of old and new MOMI software.

Special Notes

MOMI software is packaged within an MSI file created by InstallShield and provides the capabilities to install to the PC (all users or current user), copy MOMI software to the NonStop System and copy MOMI software to a shared located.

Short-cuts to MOMI software under the Windows Start menu use the format of **BWS MOMI n.nn** (where n.nn is the version number).

The PC must be configured with at least 24-bit color for the client to operate fully with MOMI. A warning message is displayed at client startup if a lower color depth is detected. While the client will generally function correctly with a lower color depth, certain features are not available such as the pop-up window when the mouse is placed over the connector lines between systems on the screen **SubSystems / Expand / Diagram**.

The CAIL Emulator was provided courtesy of CAIL and is not a component of any purchased MOMI product. The Emulator is no longer provided and was removed from the MOMI installation package.

The IP Workshop Pro TCP/IP Subnet calculator is provided courtesy of Peter Kostov and Peko Software and is not a component of any purchased MOMI product. BlackWood Systems and Peko Software reserves the right to discontinue, limit or alter the availability in future releases. Please see the IP Workshop Pro help within the calculator for additional information and to check out other tools he has available.

Release Package 6.19

```
Release Date (yyyy/mm/dd)  2026/03/09

Item                       Version
----                       -------
Latest O/S tested          J06.23.01 - L25.09.00

Client Version             6.19  Build 930
Server Version (VPROC)     6.19  T0000G06___V6_19____2026_03_03

Buffer Version             Client 21.79   Server 21.79
History database           3.10
CONFMOMI                   6.03
OBYMOMI                    6.01
OBYCSQL                    5.02
MomiFTP.exe                2.17
CentralServer.exe          1.8
ssMOMI.scr                 6.00
MomiEMail.exe              1.12
SendMail.exe               1.01
IPCalc.exe                 1.3.3

Oldest client version
 tested with server        5.93
Clients 5.15 and earlier may fail on connect.
```

New Features / Bugs Fixed

(see MOMI HISTORY.RTF for previous versions)

Common new features (requires current client and server)

If you are using Client Access, newly added screens in a MOMI release update are not available to users by default. This action may be changed on the screen ***Configure / Client Access / Global Settings*** *by checking the option* ***New screens enabled by default****. The user that started MOMI, known as the* ***Default Security User****, always has new screens enabled by default.*

Installer

- None

Help

- The navigation panel on the left for PDF and Microsoft Word Help documents have some misplaced entries following the section PC Client. This is a known issue with our help authoring software.

Installation Files

- None

MOMI Client

New Screens:

- None

New Features:

- All HTTP accesses by the client to the BlackWood Web Site have been removed and replaced with the more secure HTTPS accesses.

- The Client will now detect the MOMI Release version that is currently installed and will use that version number to set the default help file location if Web help is being used.

Bug Fixes

- Grids that have Columns with shortened Values (i.e. text... or ...textfilter) would sometimes fail if the filtered part of the text was cut off by being displayed as shortened (i.e. text... or ...text). Fixed.

- **Systems / Ping and**
- **Systems / TraceRoute**
  - Client would crash when Ping or TraceRoute was performed. Bug introduced in 6.18g. Fixed.

- **SubSystems / Logs / EMS Logs**
  - When changing the text for the colors the progress display would not go away once the progress was no longer needed. Fixed.

- **SubSystems / Spooler / View Jobs**
  - When using the next/prev on the selected jobs from list it was possible to crash the client. Fixed.

- **Alarms / Active**
  - The Client would crash when trying to display the list of active alarms when the alarms were defined on a earlier Client version. Fixed.

Misc. Items:

- If the client is started with an expired or invalid password the client will now display that error immediately.

- Various improvements for High-Contrast color schemes visibility.

- **Systems / Probe**
  - Added a save button to save the state and position of all System probes. This is normally done then the client shuts down b ut this will enable the values to be saved without exiting the client. For Jon H.
  - Changed how independent probe windows resize to make font sizing more consistent. For Jon H.

- **Alarms / Active**
  - Improved overall performance and consistency.

- **Configure / Client / General / Actions**
  - The ReadMe and History files are now returned from a secure Https location instead of Http.

- HTTP Proxy Server settings were removed. The HTTP proxy is now set by the Windows setting.

- **Configure / Server / Server Info**
  - Improved speed creating the screen.

- **Configure / Server / Client Connections**
  - Now retains filters when updated.

- **Configure / Reference / BlackWood**
  - HTML display replaced with new high-speed version.
  - ReadMe and History files are now used in the following order (HTML then if not found use RTF).

Known issues:

- **Systems / File Transfer / SFTP**
  - If file is transferred as a Key-Sequenced structured file sometimes SFTP will think the transfer is successful but the host file is left empty. A check is now done and an error shows if this happened. Note: Sometimes making the **REC LEN** even will succeed. Some failures are caused by unknown factors and seem to be a failure in the SFTP Server on the NonStop.

- **SubSystems / Discovery**
  - Feature is still under development and subject to change. Comments and suggestions are invited and welcome.

- **Alarms / Define / Alarm**
  - Alarms from older versions of the server (i.e. pre 6.18d) will not display correctly. This is addressed in the next client version. However, defining or viewing alarms with features of 6.18 (such as user formatted alarms) will require a newer client.

MOMI Server

New Features:

- KLT reporting now automatically enables under L25.09 or later.

Bug Fixes:

- The count of TCP/IP processes is no longer reported as zero for information used by the screen **Configure / Server / Server Info.**

- The Disk Volume active alarm no longer appends a trailing -P, -M, -B, or -MB when the client jumps to (for example) the screen **Files / Enscribe / Volume.**

Misc. Items:

- None

Known Issues:

- None

MOMIFTP

- 2.17 – Increased default window size if monitor is 4k.

- Added ability to set which files in TANFILES are transferred by default.

ssMOMI

- None

MomiEmail

- None

SendMail

- None

CentralServer

- None

IPCalc

- None

Client Installation Notes

Installation of the PC client may be perform as the current user (i.e. non-administrator level) or as an Administrator for all users of the PC. Security of some corporate environments may prevent a current user installation. Administrator level setup usually requires that you right-click on the installer file and select **Run as administrator** to gain *Admin rights*, which could be considered a level *above* Administrator.

Setup also provides the option to copy MOMI files to a shared network location and copy files to the NonStop System (via FTP or SFTP).

mini-MOMI

MOMI operates in a reduced functionality or mini-MOMI mode when the MOMI server is started without a password (a time limited trial password or a purchased password are placed in the CONFMOMI file on the NonStop System).

Mini-MOMI is available a period of 2-years from the version date of the NonStop server portion of the program. The expiration date is displayed on the PC Client screen **Configure / Diagnostics**.

Shops running mini-MOMI are encouraged to check our web site from time-to-time for new versions or updates.

While it is our intention to provide mini-MOMI in future versions, BlackWood reserves the right to alter, limit or discontinue mini-MOMI in subsequent releases.

Multiple Platform Server Support

MOMI configuration files support S-Series, NonStop Integrity, NonStop Blades and Integrity NonStop X.

On the NonStop system, in the subvolume where MOMI is installed, the following object files are present by default:

```
BWMOMI  - 32-bit TNS/R native (S-Series)
BWMOMIi - 32-bit TNS/E native (Integrity & Blades)
BWMOMIx - 32-bit TNS/X native (Intel X64 & Virtual NonStop)
```

The TACL obey files OBYCSQL, used to SQL/MP compile MOMI objects, and OBYMOMI, used to start the MOMI subsystem, automatically select the correct object file.

If automatic platform selection logic does not function, the error **Illegal program file format** is encountered, simply change the obey files to reference to the correct BWMOMI? object.

First Installation

Update an Existing Installation

The procedures for installing MOMI the first time or updating an existing installation are virtually the same.

In prior releases, MOMI installation software was packaged as an EXE or ZIP. The **MSI** format performs all of the same features, plus allows the client to be installed under the current user which normally does not require administrator access.

The MOMI PC Client installs by default into its own version specific subdirectory and is accessed from the Windows Start menu under **BWS MOMI n.nn** (where n.nn is the version number).

It is recommended that a new version of the MOMI server software or an update to an existing version is installed into the same subvolume on the NonStop System. By default, existing startup and configuration information is not changed. Existing files are renamed as necessary to allow for installation while the MOMI server is running and to provide for fallback.

The installation process starts by obtaining MOMI software from either our website or perhaps a flash drive handed out a conference (we can also send you the software on a flash drive on request). MOMI installation software is a standard Windows MSI file and can either perform a new install or update an existing installation. The installation program also contains utilities for transferring MOMI server software to the NonStop System (MomiFTP) and for placing MOMI software on a shared drive location (CentralServer).

The following steps describe installing MOMI software on the local PC and on the NonStop System:

1) Obtain MOMI software and double click on the **MSI** file. The initial screen provides allows display of the ReadMe and detailed installer Help.

2) Click though the **Welcome** screen. Please read and accept the **License Agreement**. Click through to continue.

3) The Utilities screen allows the option to run **MOMIFTP** and **CentralServer** (can be run now or later). Click **Install Client >** to continue.

4) The next screen selects the **Setup Type**. The default is **Complete**. Click through to continue.

5) The **Ready to Install the Program** screen allows MOMI software on this PC to be installed **Only for me (<user>)** or **Anyone who uses this computer (all users)**. Choose the desired option. Note the **Anyone...** selection prompts for an administrator logon if needed. After the installation completes, click **Finish**.

6) Press the Windows Start button and under **BWS MOMI n.nn** (where n.nn is the version just installed) select **MomiFTP**.

a. On the screen **1st Connect to HPE NonStop**, select the **Transport type** (FTP or SFTP), fill in the **Host Address** (NonStop System IP address or DNS), **User ID**, **Password** and **Initial $Vol.SubVol** where the MOMI files are placed. The User ID specified owns the files after the transfer takes place. Press **Connect to HPE NonStop**. If the connection was successful, you will see a big green **Connected...**

b. Press **Next >>** to advance the screen.

c. On the screen **2nd Select Vol.SubVol on HPE NonStop** a list of the files present (if any) in the selected location is displayed. For a new installation, you should choose an empty subvolume. Change the location as needed Change to update the display.

d. Press **Next >>** to advance the screen.

e. On the screen **3rd Select New Install or Update** press **Put Files on HPE NonStop** to start the transfer. The status boxes indicate the outcome of the transfer.

f. Press the **Exit** button to disconnect and stop the program.

7) From a TACL prompt, logon with the User ID and password that $MOMI will operate under. Volume to the location where the MOMI files were placed.

8) Edit the file **OBYMOMI**. This is a TACL obey file used to start MOMI and provide initial configuration information. Page down to the section "**vvv set values below here vvv**". This marked portion of the obey file is used to change the initial startup values for the $MOMI server portion.

   Check the process name, CPU $MOMI operates in, priority and home terminal. Default values are usually valid for most systems.

9) Edit the file **CONFMOMI**. This edit file is used to set various MOMI attributes using keywords. Set the System-Description and check TCPIP-LISTEN which defines the TCP/IP process name, optionally the address and port that MOMI will *listen* on for PC Client connections.

   - mini-MOMI users, the above should be about the only item of concern.

   - MOMI users, add your MOMI password. Also, define any history files desired. MOMI automatically creates the history files.

10) SQL/MP compile MOMI (if you don't use SQL, ignore this step):

    from a TACL prompt: OBEY OBYCSQL

11) Create / update BWSSG (the Super Group helper process) (see Security / General considerations to determine if you need this step):

(BWSSG is a PROGID'ed copy of the MOMI server. The following steps show you how to rename out any existing BWSSG, keeping a backup copy, create a new file - details such as required logon security to perform these operations is not covered).

```
Purge BWSSG2
Rename BWSSG1, BWSSG2
Rename BWSSG,  BWSSG1

FUP DUP BWMOMIx, BWSSG, sourcedate (BWMOMIi TNS/E)

FUP Give BWSSG, <Super.Group>
FUP secure  BWSSG, NGNG, PROGID
```

If used, BWSSG must be updated with BWMOMI. The FUP DUP option of SOURCEDATE or SAVEALL must be used.

12) Start MOMI:

From a TACL prompt: OBEY OBYMOMI

(wait at least 1 minute before proceeding to the next step)

13) On your PC, press the Windows Start button and under **BWS MOMI n.nn** (where n.nn is the version just installed) select MOMI. The first time a Client is started on a PC, it will prompt for the TCP/IP address and port of the NonStop System (the port is defined in the CONFMOMI file and has a default of 2010).

MOMI starts on the NonStop System a measurement (DCPUS file) configured with a variety of entities (CPU, Process, TMF, etc...). This measurement does not specify an interval but is effectively used for LISTACTIVE purposes.

Screen Saver

Some users have requested the ability to run the ssMOMI screen saver as a standalone program that does not stop when the screen is clicked, or the keyboard is pressed.

To run ssMOMI as a standalone program:

1) Copy the MOMI screen saver ssMOMI.scr giving it the name ssMOMI.exe.

2) Start the program as follows:

   ssMOMI.EXE /c AsEXE

3) A pop-up window displays. Select the location of your MOMI.INI file. By default this is located at:

   C:\Documents and Settings\<user>\Application Data\BlackWood Systems\MOMI

4) After pressing OK, the screen saver appears. Press X to close.

5) Create a Shortcut with the Target as follows:

   ssMOMI.EXE AsEXE

   (path details to the EXE omitted)

The run-time param **/c** directs the program to display a pop-up window to configure the location of the MOMI.INI. **AsEXE** directs the program to continue executing after keys are pressed (i.e. don’t function as a screen-saver).

Manual Installation of Nonstop Based Programs

If the MOMIFTP utility cannot be used to transfer files from the PC to the NonStop server, these instructions describe how an alternate file transfer program would be used. The MOMIFTP utility does not perform any *special* actions, but simply renames files (if existing are present) and transfers MOMI files from the PC to the NonStop System using FTP or SFTP.

The first step is to locate the source files -

PC install all users:

C:\Program Files (x86)\BlackWood Systems\BWS MOMI_n.nn\Tandem Install\NonStop\

PC install user only:

C:\Users\<User ID>\AppData\Local\Programs\BlackWood Systems\BWS MOMI n.nn

Via shared server (varies based on how shared server is organized):

\Tandem Install\NonStop\

(where n.nn is the release package number)

If MOMI is not installed, download and execute the MSI file. Select **Launch CentralServer** and place the files in an empty subdirectory. In the destination subdirectory under **\Tandem Install\NonStop** are the subdirectories **\ascii** and **\Binary**. The grouping indicates the needed file transfer mode (i.e. ASCII or Binary).

Using a file transfer utility, copy files from the PC to the NonStop (all to the same destination subvolume) -

Binary

BWMOMI
BWMOMIi
BWMOMIx
EMSEXPO

ASCII

FUPEVTCX
OBYMOMI
CONFMOMI
OBYCSQL
OBYALTER

Logon to the NonStop System, volume to the location where the files were placed and OBEY the TACL obey file OBYALTER to alter the file codes (or manually perform the steps below):

a) FUP alter BWMOMI , code 700
b) FUP alter BWMOMIi, code 800
c) FUP alter BWMOMIx, code 500
d) FUP alter EMSEXPO, code 845

At this point the files are transferred. Continue the instructions in the section **First Installation / Update an existing installation** after the step using MOMIFTP.

Future Plans (may or may not be in future releases)

1) CMON
2) More history chart-able entities
3) New functionality as requested by our users
4) Additional Tools and References as we think of them
5) Pathway information

We welcome comments, suggestions, and bug reports. Please send them to:

support@blackwood-systems.com

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