Multi-Host Internet Access Portal (MIAP) for the HI Platform Guide v2
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1.0 Background

Overview

The Defense Information Systems Agency (DISA) released a policy letter on April 30th, 2010 declaring the Multi-Host Internet Access Portal (MIAP) as the enterprise solution for connection to the Unisys mainframe. The letter mandated that October 31st, 2011 will be the deadline for Unisys user compliance.

The current process for most end users to connect to the General Accounting and Finance System (GAFS), Integrated Accounts Payable System (IAPS) and Demand is a program called Attachmate InfoConnect. Infoconnect uses port 102 to connect to the HI platform located at DISA Oklahoma City. After October 31st, 2011 port 102 will be blocked for HI connection effectively blocking users from using Infoconnect to connect to GAFS, IAPS or Demand sessions.

MIAP currently uses a program called Reflection for the Web to connect to the HI platform.

Two session links have been established on MIAP to allow users to connect to GAFS, IAPS and/or Demand.

For GAFS and/or IAPS access users will need to supply their current Terminal ID for the session link: OKC OCHI UTS TIP {V2}.

For Demand access users will need to supply a terminal id for the session link: OKC OCHI UTS DEMAND {V2}.

The walkthroughs contained within this guide provide step by step instructions on how to set up both TIP and/or DEMAND sessions.

More information about MIAP can be found within the MIAP Users Manual located on the MIAP home page under the Link Library.

For issues/questions about MIAP: <https://miap.csd.disa.mil/onlinesupport.htm>
2.0 MIAP Registration for the HI platform

Walk-thru

Purpose:
- Creating a MIAP account for HI Platform access

NOTE: If you have an existing MIAP account you will need to contact MIAP Support (https://miap.csd.disa.mil/onlinesupport.htm) and ask to be added to the “OKC” Community of Interest.

1) Go to the MIAP webpage located at https://miap.csd.disa.mil

2) Click “Enter MIAP Portal”

3) Click “Sign Up” in the Create New Account

****NOTE: The screenshots shown are representative – not actual****
4) Below I have a Government issued Smart Card select “CAC”

5) You will be prompted to choose a certificate please choose the DOD CA certificate.
Once you choose a certificate you will be presented a form to fill out to obtain a MIAP account. You must choose “OKC” as your Community of Interest from the drop down menu. You must also enter your email address as it appears on your CAC card. Fill in all information on the form and click on submit.

7) MIAP will state that the account has been created

This Walk-Thru is complete.
3.0 MIAP Logon

**Walk-thru**

- Logging into MIAP account for HI Platform access

1) Go to the MIAP webpage located at https://miap.csd.disa.mil

2) Click “Enter MIAP Portal”

3) Click “Login”
4) Once you click on login you will start the MIAP authentication process. You may be prompted to enter your CAC pin. Once you enter your CAC pin click on “OK”
5) You will be prompted to “Choose a digital certificate”. Choose the DOD CA certificate.

6) MIAP Session selection screen will appear.

*This Walk-Thru is complete.*
4.0 Setting up a TIP session

**Walk-thru**

**Purpose:**
- Setting up a TIP page for access to BQ (GAFS) or TQ (IAPS) access
  
  **NOTE:** At least JAVA 1.6 must be installed on machine for MIAP session functionality

  1) MIAP Session selection screen with all available connections

  ![MIAP Session Selection Screen](image1)

  2) Restrict displayed sessions by typing HI in the Session search bar.

  ![MIAP Session Restriction](image2)
3) Double Click on the desired link (Example: OKC OCHI UTS TIP (V2)) to open a TIP session on HI

![Image of MIAP for HI Platform]

4) To assign a Terminal ID; from the Menu: Toolbar Connection -> Connection

![Image of OKC OCHI UTS TIP (V2)]

5) Ensure the “Specify terminal ID” radial button is selected and in the Terminal ID field enter the Terminal ID and click the Connect button.

NOTE: To verify that the session selected is the TIP connection TSAP should read “TIPCSU”
NOTE: To have the session connect automatically when the session is opened click on the “Connect at startup” check box.

![Image of Connection Setup]
6) DoD banner and User ID/Password prompt

Stop

This Walk-Thru is complete.
5.0 Setting up a DEMAND session

Walk-thru

1) MIAP Session selection screen with all available connections

2) Restrict displayed sessions by typing HI in the Session search bar.
3) Double Click on the desired link (Example: “OKC OCHI UTS DEMAND {V2}”) to open a DEMAND session on HI

4) Session page will open

5) To assign a Terminal ID from the Menu: Toolbar Connection -> Connection Setup
6) Ensure the “Specify terminal ID” radial button is selected and in the Terminal ID field enter the Terminal ID and click the [Connect] button.  
NOTE: To verify that the session selected is the DEMAND connection TSAP should read “RSDCSU”  
NOTE: Terminal IDs for DEMAND pages are not built/assigned but must be unique for each DEMAND session set up in MIAP. Example: Two DEMAND sessions are created in MIAP (7700 and 7708) and each has NOTSET as the Terminal ID whichever session is opened first will connect and the other will get a “Session Path Closed”.  
NOTE: To have the session connect automatically when the session is opened click on the “Connect at startup” check box.

7) DoD banner and User ID/Password prompt

STOP

This Walk-Thru is complete.
6.0 Auto-Launching a Session

**Walk-thru**

1) Log into MIAP

2) Click on the appropriate link.

3) Click on the **Actions** button and select Session Attributes.

4) In the Session Attributes box click on the “Open automatically” and click the **OK** button.

**NOTE:** Multiple sessions can be selected to open automatically at login

*This Walk-Thru is complete.*
7.0 Setting up multiple TIP pages

**Walk-thru**

1) Log into MIAP

   NOTE: For the purpose of this walk-thru the example will be to create a 7708 and 7700 TIP page.

2) Restrict displayed sessions by typing HI in the Session search bar.

3) Click on the “OKC OCHI UTS TIP {V2}” link and click on the Actions button
4) From Action button selection click on “Duplicate”

5) A Session Attributes box will pop up, in the Name field type something that will help identify the session from others and click [OK] button.
NOTE: The “Grouping” field is optional but can be used to help find the associated group via the session search field or for sorting purposes by clicking on the “Grouping” column header

6) The new session will now be available for use: OKC OCHI UTS TIP{V2} – 7708
NOTE: To assign the Terminal ID to the session please see section: 3.0 Setting up a TIP session Step 3 of this job aid.
7) The 7708 session has been created and now a 7700 session will need to be created. Repeat steps 3 and 4 of this walk-thru.

8) A Session Attributes box will pop up, in the Name field type something that will help identity the session from others and click OK button.
NOTE: The “Grouping” field is optional but can be used to help find the associated group via the session search field or for sorting purposes by clicking on the “Grouping” column header.

9) The new session will now be available for use: OKC OCHI UTS TIP{V2} – 7700
NOTE: To assign the Terminal ID to the session please see section: 3.0 Setting up a TIP session Step 3 of this job aid.

STOP

This Walk-Thru is complete.
8.0 Setting up multiple DEMAND pages

Walk-thru

1) Log into MIAP
   NOTE: For the purpose of this walk-thru the example will be to create a 7708 and 7700 DEMAND page.

2) Restrict displayed sessions by typing HI in the Session search bar.

3) Click on the “OKC OCHI UTS DEMAND {V2}” link and click on the Actions button
4) From Action button selection click on “Duplicate”

5) A Session Attributes box will pop up, in the Name field type something that will help identify the session from others and click [OK] button.

   NOTE: The “Grouping” field is optional but can be used to help find the associated group via the session search field or for sorting purposes by clinking on the “Grouping” column header

6) The new session will now be available for use: OKC OCHI UTS DEMAND{V2} – 7708

   NOTE: To assign the Terminal ID to the session please see section: 4.0 Setting up a DEMAND session Step 3 of this job aid.
7) The 7708 session has been created and now a 7700 session will need to be created. Repeat steps 3 and 4 of this walk-thru.

8) A Session Attributes box will pop up, in the Name field type something that will help identify the session from others and click **OK** button.

   NOTE: The “Grouping” field is optional but can be used to help find the associated group via the session search field or for sorting purposes by clinking on the “Grouping” column header.

9) The new session will now be available for use: OKC OCHI UTS DEMAND{V2} – 7700

   NOTE: To assign the Terminal ID to the session please see section: 4.0 Setting up a DEMAND session Step 3 of this job aid.

   **STOP**

   *This Walk-Thru is complete.*
Appendix A  Key Board Mapping

Walk-thru

- Keyboard Mappings are a personal preference. This walk-thru will demonstrate changing the Number Pad Enter key to be mapped to Transmit.
- A listing of the default Keyboard Mapping is located at the end of this Appendix.

1) Log into MIAP

2) Open a session by clicking on the appropriate link.

3) Menu: Setup -> Keyboard

4) In the Keyboard Setup box click the Add... button
5) Hit the “Enter” key on the Number Pad.
NOTE: The Define Trigger box will pop up requesting a keystroke. This is where the key or key combination must be pressed to change the mapping for the key/key combination.

6) Since the Number Pad Enter key is already mapped it will ask for verification to overwrite, click the Yes button.
7) Define Action box will pop up with the key/key combination that is being changed
   a) Action Type = Transmit Terminal Key
   b) Select a terminal key = Transmit

STOP

This Walk-Thru is complete.
## Default Keyboard Mapping

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Backspace --&gt; Backspace</td>
<td>Ctrl + Right --&gt; End Of Page</td>
</tr>
<tr>
<td>Clear --&gt; SOE Character</td>
<td>Ctrl + Shift + Delete --&gt; Delete Line</td>
</tr>
<tr>
<td>Ctrl + [ --&gt; System Mode</td>
<td>Ctrl + Shift + E --&gt; Euro Character</td>
</tr>
<tr>
<td>Ctrl + ] --&gt; Workstation Mode</td>
<td>Ctrl + Shift + End --&gt; Clear End Of Line</td>
</tr>
<tr>
<td>Ctrl + = --&gt; F12</td>
<td>Ctrl + Shift + Insert --&gt; Insert Line</td>
</tr>
<tr>
<td>Ctrl + 0 --&gt; F10</td>
<td>Ctrl + Shift + Space --&gt; Insert In Line</td>
</tr>
<tr>
<td>Ctrl + 1 --&gt; F1</td>
<td>Ctrl + Space --&gt; Insert In Page</td>
</tr>
<tr>
<td>Ctrl + 2 --&gt; F2</td>
<td>Ctrl + T --&gt; F17</td>
</tr>
<tr>
<td>Ctrl + 3 --&gt; F3</td>
<td>Ctrl + Tab --&gt; Set Tab</td>
</tr>
<tr>
<td>Ctrl + 4 --&gt; F4</td>
<td>Ctrl + U --&gt; F19</td>
</tr>
<tr>
<td>Ctrl + 5 --&gt; F5</td>
<td>Ctrl + V --&gt; Paste</td>
</tr>
<tr>
<td>Ctrl + 6 --&gt; F6</td>
<td>Ctrl + V --&gt; Paste</td>
</tr>
<tr>
<td>Ctrl + 7 --&gt; F7</td>
<td>Ctrl + W --&gt; F14</td>
</tr>
<tr>
<td>Ctrl + 8 --&gt; F8</td>
<td>Ctrl + X --&gt; Cut</td>
</tr>
<tr>
<td>Ctrl + 9 --&gt; F9</td>
<td>Ctrl + Y --&gt; F18</td>
</tr>
<tr>
<td>Ctrl + A --&gt; Select all</td>
<td>Delete --&gt; Delete In Line</td>
</tr>
<tr>
<td>Ctrl + C --&gt; Copy</td>
<td>Down --&gt; Cursor Down</td>
</tr>
<tr>
<td>Ctrl + C --&gt; Copy</td>
<td>End --&gt; End Of Line</td>
</tr>
<tr>
<td>Ctrl + Clear --&gt; Set Tab</td>
<td>Enter --&gt; Carriage Return</td>
</tr>
<tr>
<td>Ctrl + Delete --&gt; Delete In Page</td>
<td>Escape --&gt; Unlock</td>
</tr>
<tr>
<td>Ctrl + Down --&gt; Duplicate Line</td>
<td>F12 --&gt; SOE Character</td>
</tr>
<tr>
<td>Ctrl + E --&gt; F15</td>
<td>F3 --&gt; Message Wait</td>
</tr>
<tr>
<td>Ctrl + End --&gt; Clear End Of Field</td>
<td>F4 --&gt; Clear Change Bit</td>
</tr>
<tr>
<td>Ctrl + F1 --&gt; Control Page</td>
<td>F5 --&gt; Locate FCC</td>
</tr>
<tr>
<td>Ctrl + F12 --&gt; Toggle Message Wait Beep</td>
<td>F7 --&gt; Clear FCC</td>
</tr>
<tr>
<td>Ctrl + H --&gt; Column Separator Right</td>
<td>F8 --&gt; Enable FCC</td>
</tr>
<tr>
<td>Ctrl + Home --&gt; Clear Home</td>
<td>F9 --&gt; Generate FCC</td>
</tr>
<tr>
<td>Ctrl + I --&gt; F20</td>
<td>Home --&gt; Home</td>
</tr>
<tr>
<td>Ctrl + J --&gt; Toggle Column Separator</td>
<td>Insert --&gt; Insert Mode</td>
</tr>
<tr>
<td>Ctrl + K --&gt; Toggle Underline</td>
<td>KeyPad + Alt + Clear --&gt; &lt;disabled&gt;</td>
</tr>
<tr>
<td>Ctrl + L --&gt; Toggle Strike Thru</td>
<td>KeyPad + Alt + Down --&gt; &lt;disabled&gt;</td>
</tr>
<tr>
<td>Ctrl + Left --&gt; Start Of Line</td>
<td>KeyPad + Alt + End --&gt; &lt;disabled&gt;</td>
</tr>
<tr>
<td>Ctrl + Minus --&gt; F11</td>
<td>KeyPad + Alt + Home --&gt; &lt;disabled&gt;</td>
</tr>
<tr>
<td>Ctrl + NumPad + --&gt; Close Printer</td>
<td>KeyPad + Alt + Insert --&gt; &lt;disabled&gt;</td>
</tr>
<tr>
<td>Ctrl + O --&gt; F21</td>
<td>KeyPad + Alt + Left --&gt; &lt;disabled&gt;</td>
</tr>
<tr>
<td>Ctrl + P --&gt; F22</td>
<td>KeyPad + Alt + NumPad-0 --&gt; &lt;disabled&gt;</td>
</tr>
<tr>
<td>Ctrl + Page Down --&gt; Clear End Of Display</td>
<td>KeyPad + Alt + NumPad-1 --&gt; &lt;disabled&gt;</td>
</tr>
<tr>
<td>Ctrl + Page Up --&gt; Clear End Of Display FCC</td>
<td>KeyPad + Alt + NumPad-2 --&gt; &lt;disabled&gt;</td>
</tr>
<tr>
<td>Ctrl + Q --&gt; F13</td>
<td>KeyPad + Alt + NumPad-3 --&gt; &lt;disabled&gt;</td>
</tr>
<tr>
<td>Ctrl + R --&gt; F16</td>
<td>Shift + Tab --&gt; Backtab</td>
</tr>
<tr>
<td>KeyPad + Alt + NumPad-4 --&gt; &lt;disabled&gt;</td>
<td>Shift + Up --&gt; Select text up</td>
</tr>
<tr>
<td>KeyPad + Alt + NumPad-5 --&gt; &lt;disabled&gt;</td>
<td>Tab --&gt; Tab</td>
</tr>
<tr>
<td>KeyPad + Alt + NumPad-6 --&gt; &lt;disabled&gt;</td>
<td>Up --&gt; Cursor Up</td>
</tr>
<tr>
<td>KeyPad + Alt + NumPad-7 --&gt; &lt;disabled&gt;</td>
<td></td>
</tr>
<tr>
<td>KeyPad + Alt + NumPad-8 --&gt; &lt;disabled&gt;</td>
<td></td>
</tr>
<tr>
<td>KeyPad + Alt + NumPad-9 --&gt; &lt;disabled&gt;</td>
<td></td>
</tr>
</tbody>
</table>
Column 3

KeyPad + Alt + Page Down --> <disabled>
KeyPad + Alt + Page Up --> <disabled>
KeyPad + Alt + Right --> <disabled>
KeyPad + Alt + Up --> <disabled>
KeyPad + Ctrl + Insert --> Copy
KeyPad + Ctrl + NumPad --> Transmit
KeyPad + Down --> Cursor Down
KeyPad + Enter --> Carriage Return
KeyPad + Left --> Cursor Left
KeyPad + NumPad - --> End Of Display And Transmit
KeyPad + NumPad Down --> Cursor Down
KeyPad + NumPad Left --> Cursor Left
KeyPad + NumPad Right --> Cursor Right
KeyPad + NumPad Up --> Cursor Up
KeyPad + Right --> Cursor Right
KeyPad + Shift + Down --> Next Field
KeyPad + Shift + Insert --> Paste
KeyPad + Shift + Left --> Previous Field
KeyPad + Shift + Right --> Next Field
KeyPad + Shift + Up --> Previous Field
KeyPad + Up --> Cursor Up
Left --> Cursor Left
NumPad * --> Print
NumPad + --> Transmit
Page Down --> Page Down
Page Up --> Page Up
Right --> Cursor Right
Scroll Lock --> Transmit
Shift + Down --> Select text down
Shift + End --> End Of Field
Shift + F2 --> LF
Shift + F3 --> FF
Shift + Home --> Start Of Field
Shift + Left --> Select text left
Shift + Right --> Select text right
Shift + Space --> Erase Character
Appendix B  Recording Macros

Walk-thru

- Macros are a personal preference. This walk-thru will demonstrate creating a macro to log into 7700 IAPS.

1) Log into MIAP

2) Open a 7700 TIP session by clinking on the appropriate link.

3) Enter User ID and Password, hit Enter

4) At the Account Number prompt; Menu: Macro->Start Recording

   a) Enter your account number: = 7700TQ1C; Enter key
   b) Enter your project identifier: = 0TQ077002600; Enter key
   c) At the previous session screen; Enter key
   d) At the Terminal Active screen , at the SOE ( ) type *XPTON and then hit the Enter key
   e) Home key
   f) NTQS01, Enter key
   g) NTQS01 screen; Menu: Macro->Stop Recording
5) The Save Macro box will pop up, enter a Macro name(required) and a description(optional) and click the **Save** button.

6) The message box will pop up saying the macro has been saved.

---

Stop

**This Walk-Thru is complete.**
Appendix C  Macro Playback

Walk-thru

- Macros are a personal preference. This walk-thru will demonstrate playing back a macro to log into 7700 IAPS (Macro created in previous Walk-thru)

1) Log into MIAP
2) Open a 7700 TIP session by clinking on the appropriate link.
3) Enter User ID and Password, hit Enter
4) At the Account Number prompt; Menu: Macro->Playback
5) Select the desired macro and click on Play

6) Macro will run and in this example the 7700 IAPS Log in screen is displayed.

This Walk-Thru is complete.
Appendix D  Button Palette/Quickpad

Walk-thru

1) Log into MIAP

2) Open a 7700 TIP session by clinking on the appropriate link.

3) Menu: View->Button Palette

4) The Button Palette will appear at the bottom of the terminal screen.
   NOTE: The Button Palette can be moved by left-clicking on the grayed out space on the left (default position) of the button palette and while holding the left mouse button moving to the desired location and releasing the mouse button
5) Menu: Setup->Button Palette

![Button Palette](image)

6) At the Button Palette Setup box click the Add... button

![Button Palette Setup](image)

7) At Define Button Text enter the name of the button and click the OK button. For this walkthrough the button will be called 7700XPTON.

![Define Button Text](image)
8) At Define Action for [Button Text]
   a) Action Type = From the drop down select Run Macro
   b) Select a macro = Click on the name of the desired macro and click the [OK] button.

9) At the Button Palette Setup box the new button should now appear in the existing buttons list box, click the [OK] button.
10) The new button will appear on the Button Palette.

<table>
<thead>
<tr>
<th>7700XPTON</th>
<th>CARRIAGE RETURN</th>
<th>CLEAR END OF DISPLAY FCC</th>
<th>F1</th>
</tr>
</thead>
<tbody>
<tr>
<td>F15</td>
<td>F16</td>
<td>F17</td>
<td>F18</td>
</tr>
<tr>
<td>F3</td>
<td>F4</td>
<td>F5</td>
<td>F6</td>
</tr>
</tbody>
</table>

11) Enter User ID and Password, hit Enter

12) At the Account Number prompt click on the 7700XPTON button and the macro will run.

This Walk-Thru is complete.