# SAMIView Set up Guide - SAMIView Single Sign On

SA Medical Imaging (SAMI) are pleased to offer remote access for viewing of images for External Referrers and Clinicians via an online imaging Portal - SAMIView.

Access to view images outside of the SA Health network is now via a 'Single Sign On' using a login with a One-Time Password.
**Note:** The *username* and *initial password* will be provided to the end user via a combination of **email and SMS.**

To enable access to External SAMIView via the 'Single Sign On', you will need to download a One-Time Password (OTP) Application onto your mobile/smart device (iPad, Tablet, mobile phone).

Access to the External SAMIView 'Single Sign On' will be via a URL in a web browser.
**Please see Part 2** - Logging into SAMIView for details and supported web browsers."

## Part 1: Setup - One Time Password (OTP) setup

1.  You will need to download a compatible One Time Password (OTP) app on your mobile/smart device from the Apple store (iOS) or Google play (Android).

    **Suggested OTP apps:**
    Android: Citrix SSO
    iOS (iPhone): Citrix SSO

    **NB:** These instructions will assume that you install the suggested OTP app for your smart device; however Google Authenticator application can be used.

    **Once the app has been installed on your smart device:**

    **Note:** The user will need to change their initial password for security purposes

2.  **To change your intial password**:
    Enter the following URL into another web browser window
    https://owa.statenetmail.sa.gov.au/owa
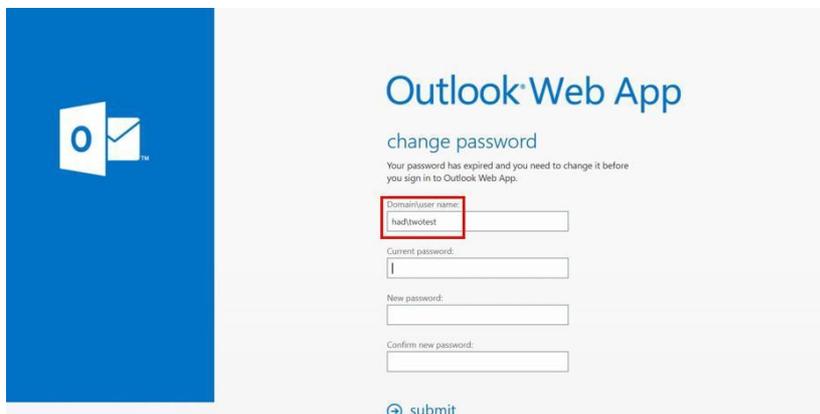


-  Enter the username received via email preceded with **had\** - (as per above screenshot)

- Enter the initial password received via SMS on you mobile phone in the current password field.
- Enter your new password in the New Password field
- Re-enter the same password as above into the Confirm New Password Field

3. **On your computer or laptop**, open your Internet browser and enter the below URL into a web browser: https://sahextaccess.sahealth.sa.gov.au/manageotp
Enter your username and your newly created password and Click **Logon**.
(**Note:** had\ is not required for this username section)
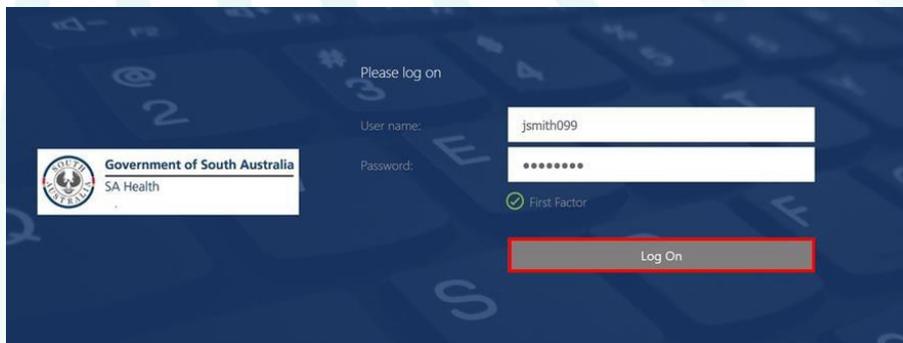


4. Click '+' symbol to **Add Device**.



5. Enter a name for the device.
**NB:** The name cannot be longer than 10 characters (including spaces).

SOUTH
AUSTRALIA
MEDICAL
IMAGING

Government
of South Australia
SA Health

6. Click **Go**.

My Registered Devices
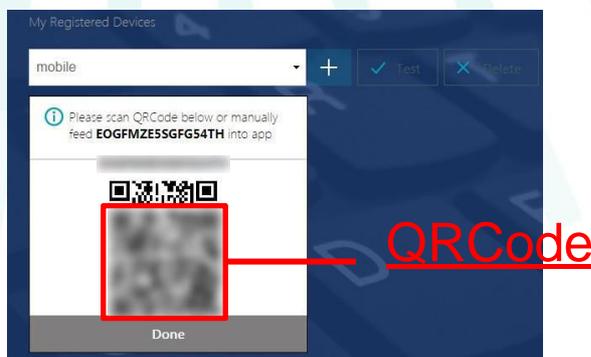
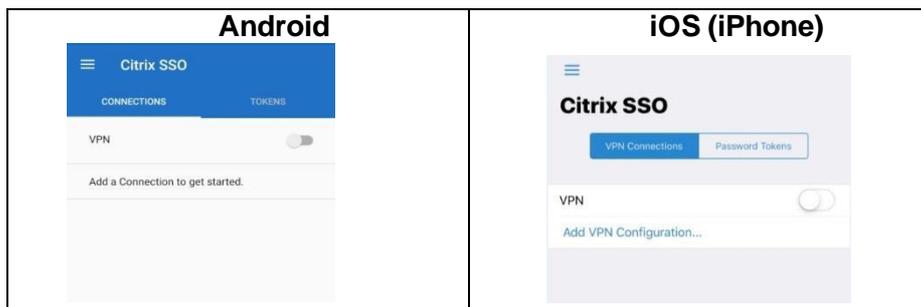| No registered devices | ▾ | + Add Device |
| Mobile | | Go |

7. The following window will appear:
   **NB:** Do not close this window or click Done until advised later in this guide

My Registered Devices

mobile ▾ + ✓ Test ✗ Delete

ⓘ Please scan QRCode below or manually
feed **EOGFMZE5SGFG54TH** into app
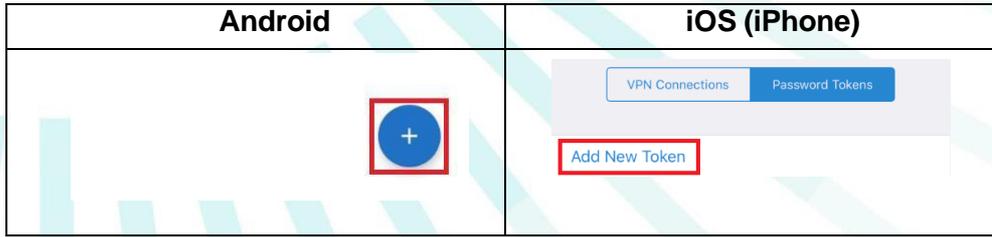
QRCode

Done

8. On your smart/mobile device, open the Citrix SSO app. The following screen will display:

| Android | iOS (iPhone) |
|---|---|
| ≡ Citrix SSO<br>CONNECTIONS   TOKENS<br>VPN<br>Add a Connection to get started. | ≡<br>**Citrix SSO**<br>VPN Connections   Password Tokens<br>VPN<br>Add VPN Configuration... |

9. On Android, select the **Tokens** option.
   On iOS, select **Password Tokens**.

| Android | iOS (iPhone) |
|---|---|
| ≡ Citrix SSO<br>CONNECTIONS   TOKENS | ≡<br>**Citrix SSO**<br>VPN Connections   Password Tokens |
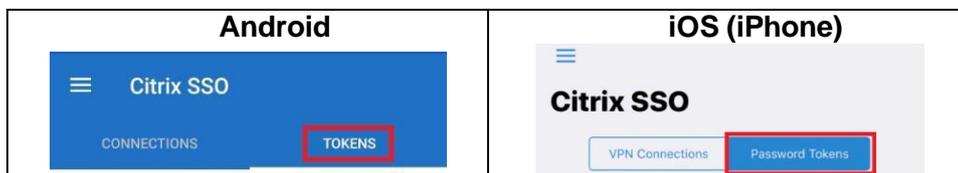
10. On Android, press the + symbol at the bottom right of the screen.
    On iOS, select **Add New Token**.
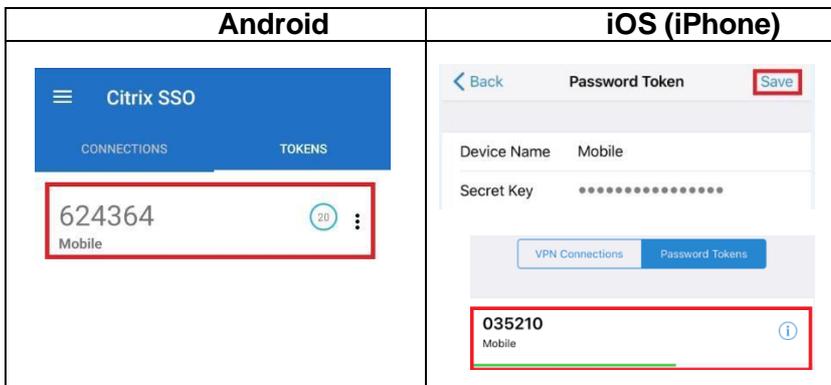
| Android | iOS (iPhone) |
|---|---|
| + | VPN Connections Password Tokens<br>Add New Token |

11. Choose **Scan QR Code**.

| Android | iOS (iPhone) |
|---|---|
| Enter Manually<br>Scan QR Code<br>× | Scan QR Code<br>Enter Manually |
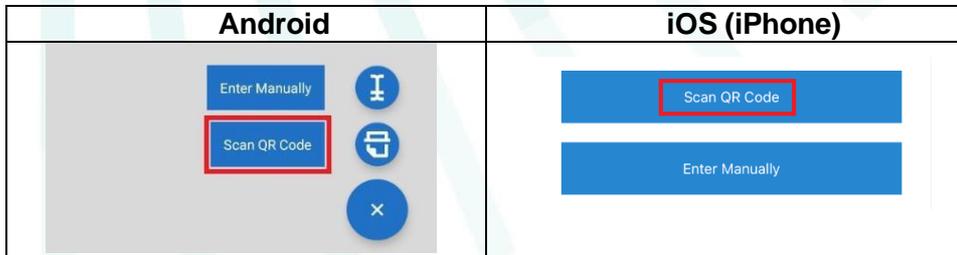
12. Point the camera on your smart device towards the QRCode displayed on your computer.

13. On <u>Android</u>, the Citrix SSO app should detect the QRCode and add an entry.
    On <u>iOS</u>, select **Save** and the entry will be added.

    The number on this entry will <u>change every 30 seconds </u>and will be used to login to the VPN

| Android | iOS (iPhone) |
|---|---|
| ☰  Citrix SSO<br>CONNECTIONS      TOKENS<br>624364      (20) ⋮<br>Mobile | ‹ Back    Password Token    Save<br>Device Name    Mobile<br>Secret Key    ●●●●●●●●●●●●●●●●<br>VPN Connections    Password Tokens<br>035210      ⓘ<br>Mobile |

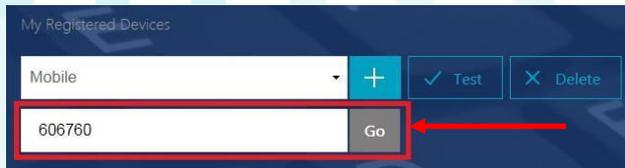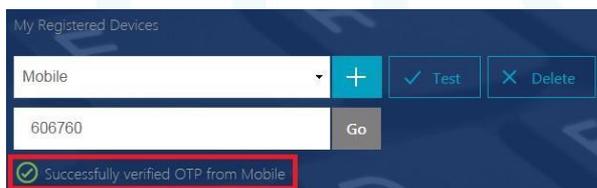14. On your computer or laptop, click **Done**.

15. Click **Test**.



16. Enter the number currently being displayed in the SSO app on your smart device, then click **Go**.



17. The test should give a successful result.

# Part 2: Logging onto SAMIView

**Note:** Users can access SAMIView via a combination of smart/mobile device for the OTP passcode and a PC/laptop to access the application via a web browser.
Alternatively, users can also use a smart/mobile device to access OTP passcode and access SAMIView via a web browser on the same device.

Once the One Time Password (OTP) set up is complete (as per Part 1) on your smart/mobile device, the user can now log onto SAMIView using the following URL:

https://samivueextns.sahealth.sa.gov.au

The following Internet Browsers **are supported** by the SAMIView application:

| Supported Browsers | | | | |
|---|---|---|---|---|
| Product | MICROSOFT EDGE | FIREFOX | SAFARI 6.X or Higher | GOOGLE CHROME |
| DESKTOP PC WINDOWS 7, 8.1 or 10 Vue Motion | ● | ● | ● | ● |
| APPLE PC OS X TIGER and above Vue Motion | | | ● | |
| APPLE iPhone 5s* and Up iPad 3* and up ( IOS 9 and above) Vue Motion | | | ● | ● |
| Samsung S3* and up GALAXY Tab 3* and up (ANDROID 4.4 and up) Vue Motion | | | | ● |

**Note:** Microsoft Internet Explorer is not supported

1. Enter the URL https://samivueextns.sahealth.sa.gov.au into your supported internet browser from a PC, Laptop, or mobile device (iPad, Android tablet, iPhone, Android phone or any smart phone) and the user will be taken to the following Logon page.
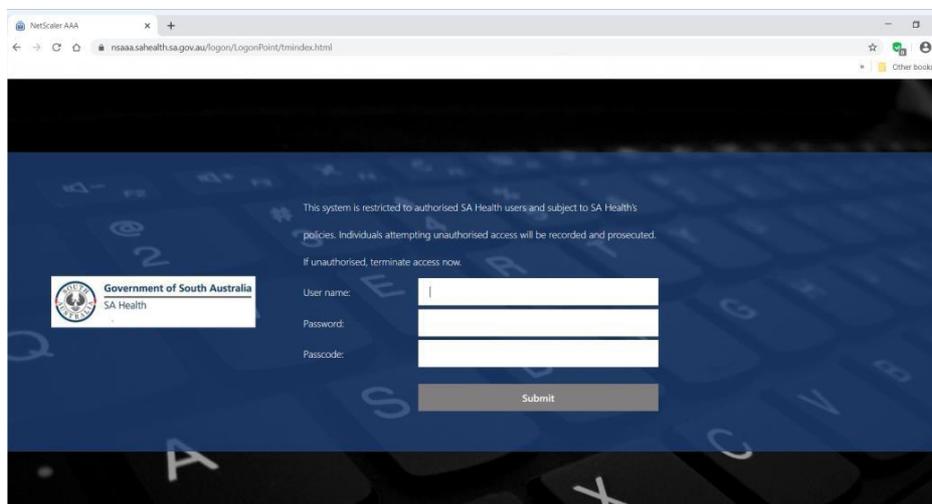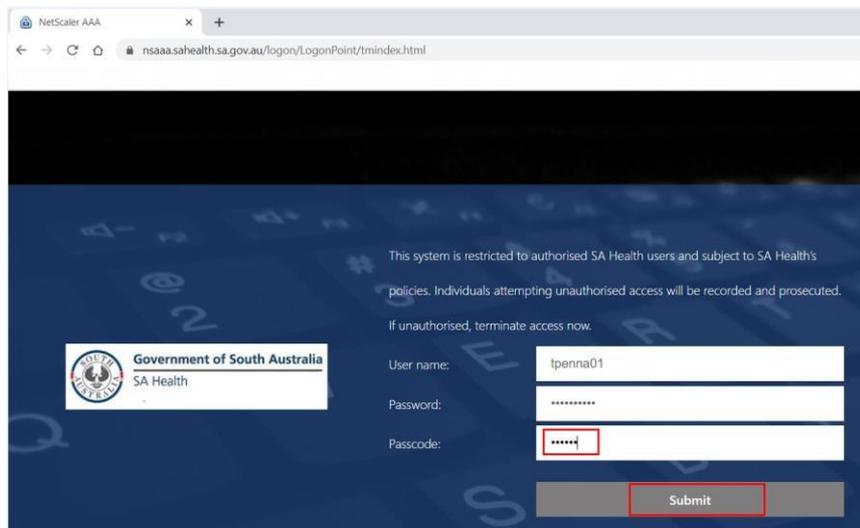
2. Enter your *username* in the User Name field and your *password* in the password field.
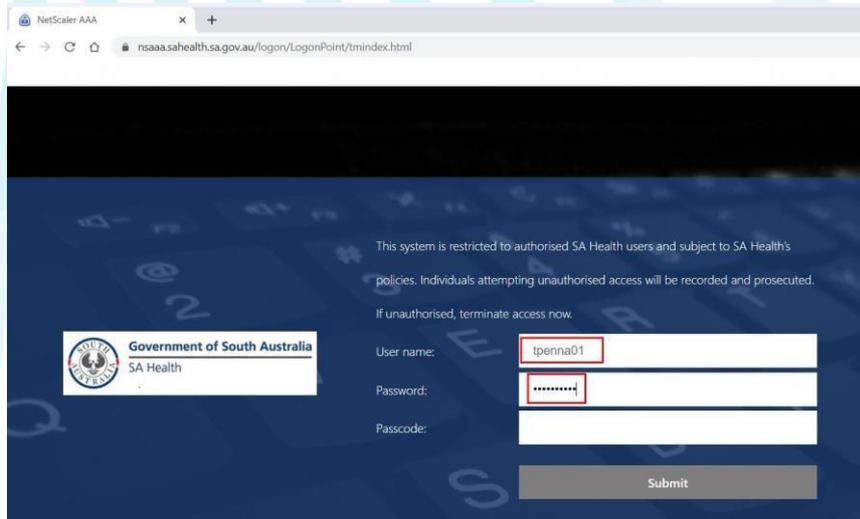


3. On your smart/mobile device, open the OTP app (that was installed from Part 1) and enter the *OTP passcode* that is visible into the passcode field on the logon screen > then hit the **submit** button.
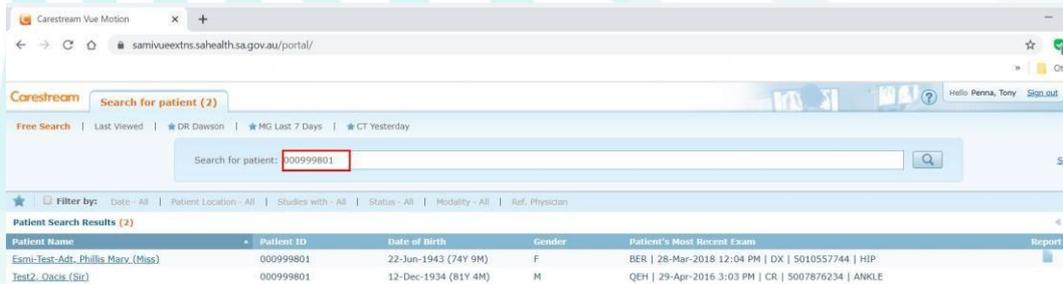


4. You will now be logged into SAMIView without entering any further credentials.

5. Users can now search for patients using Patient ID or Last name, First name in the search field provided.



6. Most users will have restricted access to only patients they have referred, however there may be times where access to imaging is required urgently in relation to patient management. There is a tool to 'Break Glass' in the ap[plication which is located in the top right hand corner of the search screen.



Click on the padlock icon to open the following dialogue box.
Select the 'I acknowledge confidentiality' disclaimer box and select an appropriate/valid reason from the drop down box.
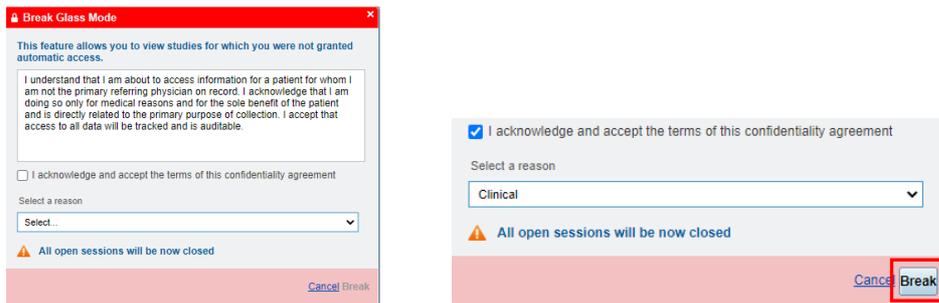


Select the 'Break' button to access > Enter the mandatory details of Last name, First name and press the search button (magnifying glass icon) to perform a search.
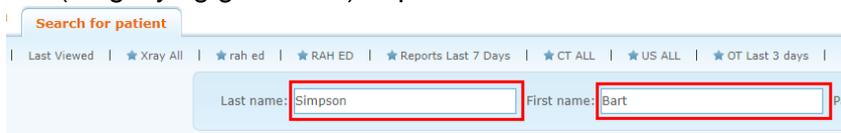


The user can always identify when they are in Break Glass mode as the padlock in the top right hand corner is replaced with the Break Glass banner with timer.



To close a 'Break Glass' session > click the on the 'X' icon  on the Break Glass Banner, the following dialogue box will appear > press 'Confirm' button to close the session.
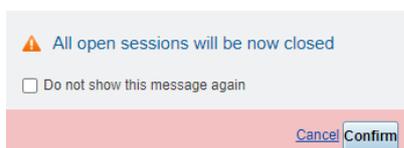
7. From **Search Results List**, please check the patients **Date of Birth** in the date of Birth column to verify the correct patient has been returned by the search.



8. From the **Search Results** click on the **patient name** to display the images.



9. Users can close the patient tab by using 'X' icon located to the right of the patient name – this will return the user to the search screen as above.



**Note:** SAMIView will **automatically log out after 30 mins**.
When this occurs the user will be directed back to a SA Health browser log off screen.
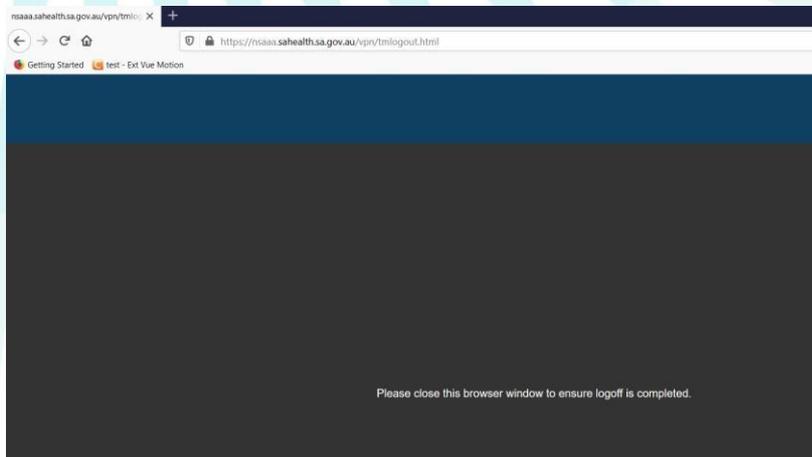
10. Please close the browser to complete the log out process.



11. To Sign out of the SAMIView via the internet browser, use the 'Sign out' button located on top right of the application beside your user name.



12. When this occurs the user will be directed back to this logoff screen.
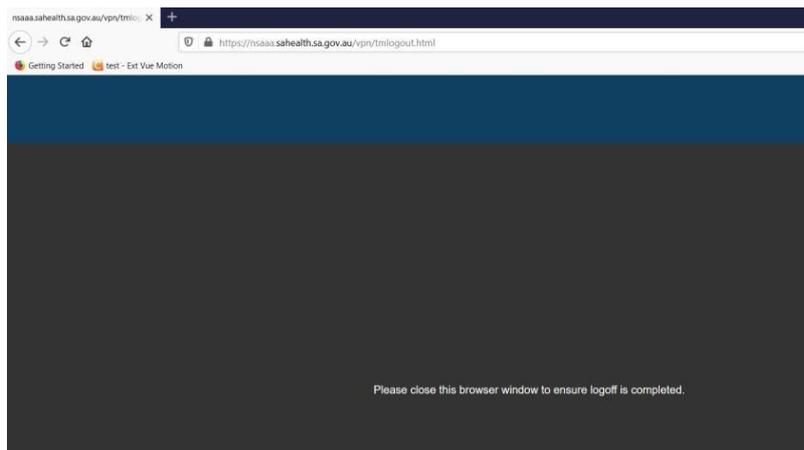


13. Within 30 minutes the user can regain access the SAMIView application again, please repeat the original login steps by entering the following URL into the currently open internet browser: https://samivueextns.sahealth.sa.gov.au

This will automatically log the user back into SAMIView without entering any further login information.

**Note:** If the user closes the internet browsing window then this will log out them of SAMIView completely.

14. To get access to the SAMIView application again, please repeat the original login steps by entering the following URL into a new Internet browser: https://samivueextns.sahealth.sa.gov.au

15. This will once again take the user to the logon page
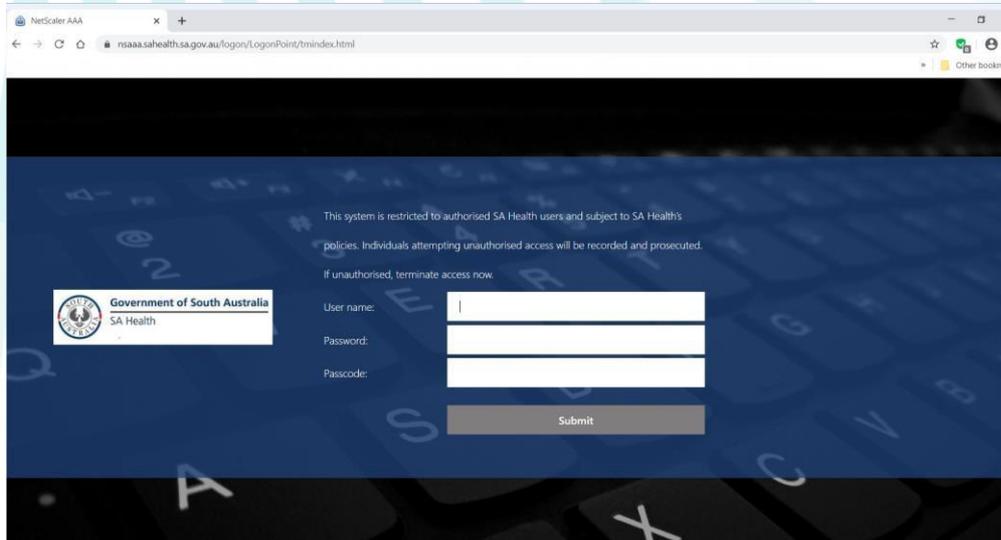


16. Please enter your *username*, *password* and *OTP passcode* as per above instruction (Refer to Part 2: Logging onto SAMIView).

## Password Expiry:

Your password will expire in 12 months from the date activated. The user will be aware of this when they see the following

You will see the following screen – Please note the the text below the '**log On**' button
*"Try again or contact your help desk"*
**This is the prompt for a user to change password**.
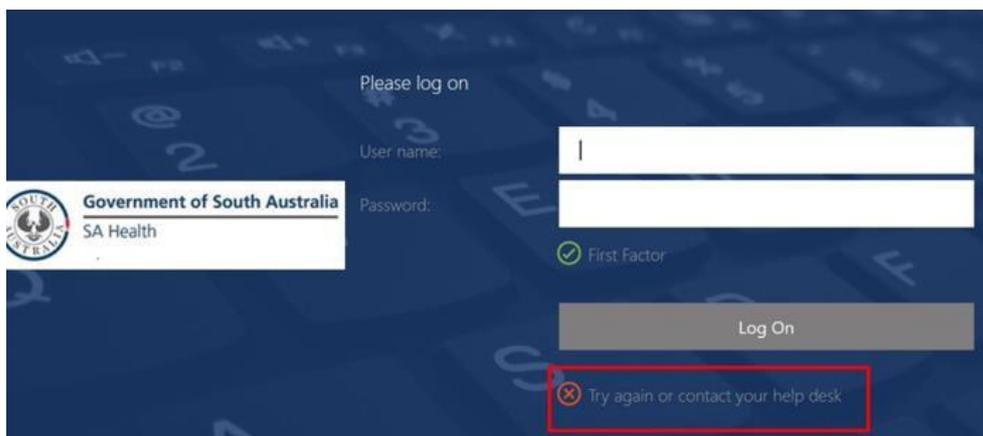


## To change password:

Enter the following URL into another web browser window
https://owa.statenetmail.sa.gov.au/owa
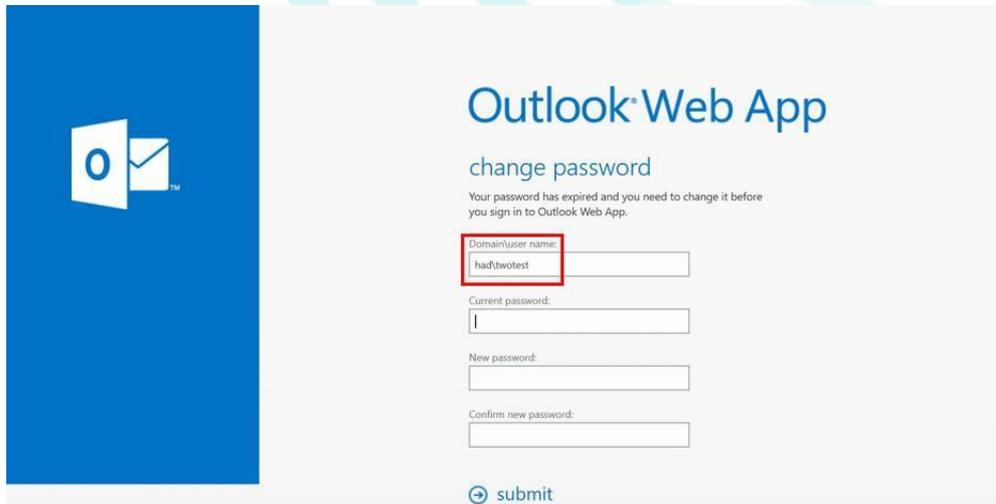
- Enter the username received via email preceded with **had\** - (as per below screenshot)
- Enter your current password you have been using for the last 12 months
- Enter your new password in the New Password field
- Re-enter the same password as above into the Confirm New Password Field
- Press the "Submit' button

## References

To access the SAMIView Quick reference user guide – please see Appendix A.

To access the complete SAMIView user guide – please select the Help button (Question Mark icon) when logged onto the application.

# Appendix A – SAMIView Quick Reference Guide

**Carestream**
**Vue Motion**
Quick Reference Guide

## 1. Patient Exam screen

Contains the following sections:

| # | Description | # | Description |
|---|-------------|---|-------------|
| 1 | Image area | 7 | Bookmarks |
| 2 | Image Manipulation Toolbar | 8 | Notes Pane |
| 3 | Cine Toolbar | 9 | Patient History Pane |
| 4 | Series Chooser | 10 | Patient demographics |
| 5 | 3D View Tools | 11 | Additional Functions |
| 6 | Patient Reports Pane | 12 | Search for Patient tab—Returns you to the Search Results pane. |

## 2. Manipulate Images

Use the toolbar at the bottom of the Patient Exam display to perform the following operations:

| Icon | Description |
|------|-------------|
| Pointer | Pointer |
| Zoom | Zoom |
| Pan | Pan |
| Windowing | **Windowing** Click and drag the mouse up/down to change center, and drag sideways to change window width. Hover over this icon to open the submenu and apply a windowing preset (available for CT and MR only) or to perform inverse windowing. |
| Measurements | **Measurements** Hover over this icon to delete graphics, hide graphics and annotations, display Non-DICOM image tags, or to draw lines, angles, Cobb angles and oval ROIs. Click and drag the mouse to draw a measurement shape. |
| Rotate | **Rotate** Hover over this icon to rotate right or left and to flip vertically or horizontally. |
| Sync | **Sync** Perform synchronization in multiple-layout displays. A highlighted icon is an indication that all displayed series are synchronized. |
| Reset all | **Reset all** Resets zoom, pan, rotate, and windowing to initial state. |

## 3. Scroll

Use the mouse wheel or the scrollbar to scroll through the images.
Tablet gestures: Two fingers to pan, one finger to scroll, long press to open drop-down menus.

## 4. Use Keyboard Shortcuts

Use the following keyboard shortcuts to perform various functions within Vue Motion:

| # | Description | # | Description |
|---|-------------|---|-------------|
| L | Shared Pointer | 4 | Layout 2x2 |
| W | Windowing | F1 | 1st Windowing preset |
| CTRL+X | Swivel | F2 | 2nd Windowing preset |
| Z | Zoom | F3 | 3rd Windowing preset |
| CTRL (while zooming) | Zoom to point | F4 | 4th Windowing preset |
| P | Pan | F5 | 5th Windowing preset |
| CTRL+I | Pointer | F6 | 6th Windowing preset |
| CTRL+F | Reset | F7 | 7th Windowing preset |
| ALT+I | Inverse | F8 | 8th Windowing preset |
| SHIFT | Toggle between Zoom/Pan and Swivel/Rotate | F9 | 9th Windowing preset |
| ← (left arrow) | Previous Group | F10 | 10th Windowing preset |
| → (right arrow) | Next Group | F11 | 11th Windowing preset |
| 1 | Layout 1x1 | F12 | 12th Windowing preset |
| 2 | Layout 1x2 | | |

## 5. Use Cine Tools

| Icon | Description |
|------|-------------|
| ▶ / ⏸ | Click once to play, click again to pause. |
| ◀ | Move to previous frame |
| ▶ | Move to next frame |
| | Adjust the frames-per-second rate |

## 6. View Images in 3D

You can display series of volumetric images in different 3D rendition type views.

Click the **Rendition Options** icon in the **3D Tools** menu to display different rendition types (MPR, coronal, sagittal, and axial) or pre-defined volume rendering (VolR) protocols.

1. Click a hot spot in the illustration or use the **Body part selection** menu to select a body part.
2. Click a pre-defined protocol.
3. Use the Parameters and Plane menu to change thickness and spacing, as well as orientation.

After a series is displayed in an MPR view, the **Flip/Rotate** tool in the toolbar changes to **Swivel**. Hover with the mouse over the **Swivel** icon and use the **Swivel** or **Roll** tools to improve viewing.

## 7. Use the Series Chooser

Click the Series Chooser icon to see a list of all series of the displayed exam and the loaded exams.

1. Click the series that you want to display or drag it to the display area.

Note: Dragging a series is not supported on tablets

2. Use the arrow icons to navigate to the next or previous series.

## 8. Share Exams with Other Users

You can share exams with other web users.

Depending on the type of permissions you have, either right-click the patient name on the Search Results page and then select **Share Exam**, or click **Share** in the toolbar and then click **Share** again.

**Note:** The right-click option is not available on tablets.)

Fill in the email address and other sharing options on the Share Exam page. The **Manage Existing Sharing** option lets you undo existing sharing instances.

## 9. View a Patient's Exam History

The left pane of the screen lets you load the prior exams of the selected patient.

To load a prior exam, open the left pane and click the requested exam. The selected exam (both images and report) replaces the exam currently displayed.

The state of each prior exam is represented by the following icons:

| Icon | Description |
|------|-------------|
| | Only an order is available for the exam. Images are not yet stored in the archive. |
| | Images are available. The exam can be viewed, but a report is not yet available for the exam. |
| | A report exists for this exam. |
| | A sticky note exists for this exam. (Sticky notes are available for Vue Motion users only.) |
| | A report and sticky notes are available for this exam. (Sticky notes are available for Vue Motion users only.) |

Additional exam information is available through a tooltip. Hover over the study area to view this information.

Linked exams (different exams performed for the same patient under a single order and with a single report) are marked in the **Patient History** pane with a colored frame.

**Note:** Tooltips are not available on tablets.

To display a prior exam side-by-side with the current exam, click the + sign that appears when you hover over the top-right corner of the exam box.

The report may contain text marked as hyperlinks to bookmarks marked on images. Click on a hyperlink to scroll the images and display the image where the bookmark has been marked.

If more than one report exists for the selected exam, you can navigate to the next report by clicking ◀ ▶.

Click 🗗 to open the report in a new window. To prevent mismatches between reports and exams, reports opened in a new window close whenever you select a different exam.

## 14. View Bookmark Information

Vue Motion displays information about bookmarks in the exam. To view a bookmark, either click a hyperlink in the report text, if a hyperlink for that bookmark exists in the text, or click a bookmark icon in the Bookmarks pane.



Each icon in the Bookmarks pane represents a bookmark in the exam marked as the active exam in the Patient History pane.

Hover over a bookmark icon to open the Bookmark Information window, which displays relevant details of the bookmarked measurements.

Vertical white stripes in the icon indicate the existence of follow-up bookmarks.

Click a bookmark icon to navigate to the bookmarked measurement.

Clicking a striped icon opens a Follow-Up Information window next to the Bookmark Information window. Click a follow up row in the window to load the relevant series with a focus on the bookmarked measurement.

## 15. View Notes

This pane (available in Vue Motion only), located below the Patient Reports pane, displays any sticky notes that have been added to the exam.

You can view, add, edit, and delete sticky notes, based on your user permissions.

## 16. Customize the Panes

To change the display mode of the panes, click 📌.

When a pane is unpinned, the pane maximizes when you hover the cursor over its sidebar.

You can also change the pane width by clicking and dragging the external border of the pane.

**Note:** Pinning, dragging, and hovering are not supported on tablets.

## 10. Filter the List of History Studies

If there are many history exams for the patient, you can filter the list of prior exams.

To narrow the list of exams to a specified time frame, use the **timeline filter**. In addition, each time period indicates the number of prior exams within that period (in brackets).

To filter by modality, body part, and/or exam description, click ⇟.

## 11. Display Multiple Series Side-by-Side

Use the **Series Chooser** menu ▯ ▯▯ ▯▯▯ to select a layout, and then click or drag a series (image group) from the **Series Chooser** to display more than one series simultaneously.

Tablet: Dragging is not supported.

## 12. Synchronize Displayed Series

Synchronize series for comparison. When synchronized series are on the same planar view, every scroll, zoom, or pan action is performed on both series. Synchronized series that are not on the same planar view display dynamic reference lines on one of the series.

Use the **Sync** icon 🔗ᴬ⁻ in the image manipulation bar to synchronize series. Registration (volumetric matching) takes place for displayed series that are of different frames of reference.

Hover over the **Sync** icon to display the following options:

| Icon | Description |
|------|-------------|
| 🔗A | Sync Synchronizes displayed series. A highlighted icon is an indication that all displayed series are synchronized. |
| 🔗 | Manual Sync Synchronizes series when there is no sufficient DICOM information for automatic linking. |
| C⊃ | Break Sync Unlink synchronized series. |

In multi-layout displays, reference lines appear on the active image if the displayed images are in perpendicular planes.

## 13. View Patient Reports

The right pane shows the report of the displayed exam. When you load a different exam from the Patient History pane, the Patient Reports pane updates with the report of the selected exam.

If the report serves a number of linked exams, the linked exams are specified at the upper part.

## 17. Search for a Patient



| # | Name | Description |
|---|------|-------------|
| 1 | Search box | Search for a patient by name, ID, or accession number. |
| 2 | Free Search | Use this option to perform a new search, and clear the search and filters. |
| 3 | Last Viewed | Use this option to view the last patients you loaded. |
| 4 | Saved filters | List of saved filters. You can click to apply your predefined filters to the search. |
| 5 | Help ❓ | Opens the online help for Vue Motion. |
| 6 | Save Filter ⭐ | Saves your filter selection to let you use it later as a predefined filter selection. This can also be used as a worklist. Click ✕ to delete a filter. |
| 7 | Filter by | Checkbox that determines whether results are filtered by Filter Options. |
| 8 | Filter Options | Fields for filtering the search results. Additional fields to those provided by default may be configured. |
| 9 | Search by field | Lets you search a specific field: Last name, first name, ID or accession number. |
| 10 | Page browse | Moves forward or back in the search results pages. |
| 11 | Patient Results list | List of the patients matched to the search criteria that you entered in the Search field. If you defined filters, the list is filtered on those fields. |

## 18. Patient Search Results

**Note**: By default, the search results display a list of patients, and not a list of exams. To view the complete list of studies of a certain patient, select the patient and view the left pane.

An option exists to have the Search page display a list of studies rather than patients.

The following fields display in the Search Results pane:

| Field | Description/Additional Information |
|---|---|
| Patient Name | Click the name to load the most recent exam of that patient. |
| Patient ID | The issuer of the patient ID is located in the tooltip of the ID field. |
| Date of Birth | The patient age is shown in parentheses. |
| Gender | Displays the gender of the patient. |
| Patient's Most Recent Exam | Displays the information of the most recent exam of the patient. By default, the exam date, modality, body part, and accession number are displayed.<br>The number of images, referring physician name, and patient location are displayed in the tooltip of the field.<br><br>**Note**: Additional exams might be available for the patient. To view the complete list of exams for a patient, select the patient and view the left pane. |
| Report | Indicates whether the most recent exam has a report. If available, click the icon to open the report of the most recent exam.<br><br>**Note**: Reports or notes that were recently added or updated are indicated by an asterisk icon. |
| Note | Indicates whether the most recent exam has a sticky note. (Sticky notes are available for Vue Motion users only.) |
| Key | Indicates whether the most recent exam has key images. |

**Note**: The search results page is narrowed on tablets in portrait mode.

## 19. Chat

Use the chat feature to send and receive text messages between two or more users, including the ability to share screen displays.

1. Click the **Chat** icon 💬 at the top right of the screen.
2. Click Start new chat.
3. Select one or more users from the displayed list. The names of all users in the system appear, with online users highlighted green. To refine the list, enter a string of characters in the **Search** box, and then click 🔍 or press **Enter**.
4. Click **Start conversation**.

### Measure Time and Voltage Differences

Use the **Line** tool 📐 to measure time and elevation (voltage) differences between two points.

1. From the **Measurement** menu 📐, select **Line** 📐.
2. Click the lead waveform at the starting point of the measurement line, keep the mouse pressed, and drag to the end point.
   A dotted line is drawn and an annotation appears displaying the second (x axis) and millivolt (y axis) values covered by the line.

### Assess Rhythm

Use the **Caliper** tool 📏 to assess rhythm normality by defining a time segment and comparing the heart activity during the same duration in other locations along the lead waveform.

1. From the **Measurement** menu 📐, select **Caliper** 📏.
2. Click the lead waveform at the starting point of the segment to be defined, keep the mouse pressed, and drag to the end point.
   A caliper appears with an annotation of the duration represented by that segment.
3. Click any other location on the lead waveform to move the caliper and compare the rhythm in that duration.

5. To send a link to an exam, click 🔗. The user receives a message with a link to the selected exam.
6. To share your screen, click 🖥️. Click **End Session** to end the shared session.

## 20. View ECG Lead Waveforms

Vue Motion displays a 12-lead ECG view, exam details and interpretation information.



| Icon | Description |
|---|---|
| ▶ | Pointer |
| 🔍 | Zoom |
| 📐 | **Measurement**<br>Use the Measurement menu to measure differences between two points along the lead waveform, to assess rhythm (caliper), to hide grid, annotations and measurements, and to delete measurements. |
| 3x4+1 | **Change Format**<br>Use the Change Format menu to change the lead display format from the default 3 x 4 + 1 to 3 x 4 + 3, 3 x 4, 6 x 2, or 12 x 1. |
| 25 mm/s | **Change Speed**<br>Use the Change Speed menu to change the distance per second representation on the X axis from the default 25 mm/s to 12.5, 50, 100 or 200 mm/s. |
| 10 mm/mv | **Change Gain**<br>Use the Change Gain menu to change the distance per voltage representation on the Y axis from the default 10 mm/mV to 5, 20, or 50 mm/mV. |
| 🔄 | Reset all changes to the default display. |

## 23. Additional Functions

**Note**: Depending on how your system has been set up, you may not see all of these options.

| Icon | Description |
|---|---|
| 💬 | **Chat**<br>Enables you to send and receive text messages. |
| 🔳 | Original fidelity for current active image<br>Displays the selected image as lossless. |
| ⛶ | **Full Screen**<br>Enlarges the displayed image area (configurable). |
| 💾 | **Save Image**<br>Saves the displayed image to your local PC.<br>A zip file is created that contains the exam files (DICOMDIR and JPEG files). |
| 🖨️ | **Print**<br>Enables you to print the displayed report or selected image. |
| ✉️ | **Email**<br>Sends an email with a link to the exam.<br>When the email recipient clicks the link, the same patient and exam open in Vue Motion (after login). |
| 👥 | **Share**<br>(For users with appropriate options and permissions)<br>Enables you to share exams with other people. |
| ✅ or ✓ | **Approve Reports**<br>Enables you to approve reports directly from Vue Motion. |
| Advanced Viewer | **Advanced Viewer**<br>(Available only when using MICROSOFT INTERNET EXPLORER)<br>Opens the same exam in the CARESTREAM PACS Client to make the full range of viewing options available.<br><br>**Note**: If the PACS Client is not installed on your PC, an installation process runs automatically. |