Data Migration Guide
(Opal-RAD to Symmetry Sync)

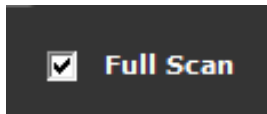**500-000934 Rev A**

Opal-RAD Configuration

1. Launch the Opal-RAD Studylist Client (use the desktop shortcut).

    NOTE: You can use these administrative credentials:
    u: admin, p: 2020tech |or| u: viztek, p:1Q2w3e4r5t6Y

2. Confirm that the **Full Scan** box is checked.

3. Check the number of total studies listed in the near the bottom-right corner and notate. See the following example:

4. Click the Admin tab and select **Send Destination**.

5. Click the **Add New** button and complete the following fields in the Add group box.

When you are done, the **Edit** button changes to Add. Click **Add**.

6. To find the current IP address of the new Symmetry Sync Server, complete the following steps:

    a. On the Symmetry Sync PC, click the **Windows Start** button and type `cmd` in the search box.
    b. In the command prompt box, type `ipconfig.`
    c. Look for the IPv4 Address listed under the current network adapter that connects to the local office network. See the following example:

```
Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::636:7524:9f7d:fa80%12
   IPv4 Address. . . . . . . . . . . : 10.27.179.153
   Subnet Mask . . . . . . . . . . . : 255.0.0.0
   Default Gateway . . . . . . . . . : 10.128.128.128
```

NOTE: The IP address on the Symmetry Sync server does **not** need to be static; it can be assigned dynamically during the temporary data migration process. However, please keep the Symmetry Sync PC powered on; if it is turned off, the IP address may change.
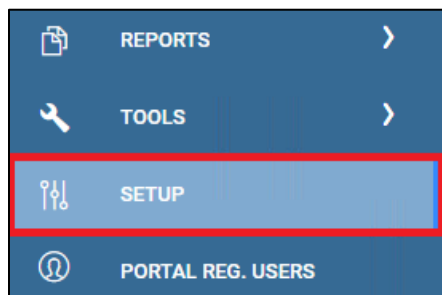
(Optional) Validate Symmetry Sync ready for DICOM Receive

Complete the following steps to confirm that the Symmetry Sync system is configured properly and ready to accept DICOM images from Opal-RAD and other systems.
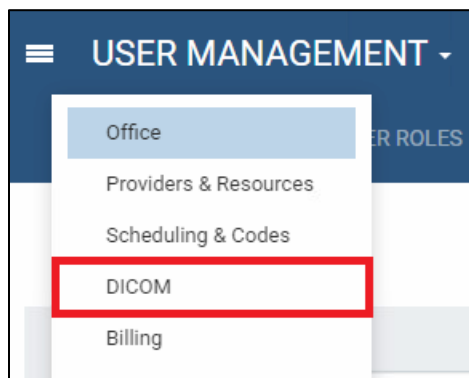
1. In the Symmetry Worklist, click the **hamburger** button in the top-left corner of the screen.
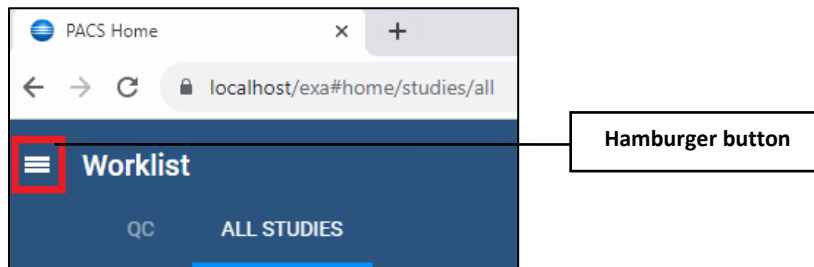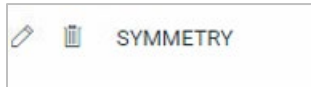

2. Click **Setup**.

3. Select **DICOM** from the drop-down menu.

4. Ensure you are at the AE TITLE section.

5. Validate that the **SYMMETRY** item exists within the list of AE Titles.

6. Click the **RECEIVER RULES** section.

7. Verify that the **OPAL RECEIVE** rule exists and is positioned at the top of the list.


8. If they both exist, Symmetry Sync is ready to accept images.

   If either option is missing, refer to the *Configure Symmetry Sync for DICOM Receive* section in this document.

(Optional) Send Single Test Study in Opal-RAD Before Batch Send

Within the Opal-RAD Studylist Client software, we will send a single study to ensure it is sent and received correctly within Symmetry Sync.

1. Right-click the latest study (or a test study if available) and select **Send**.
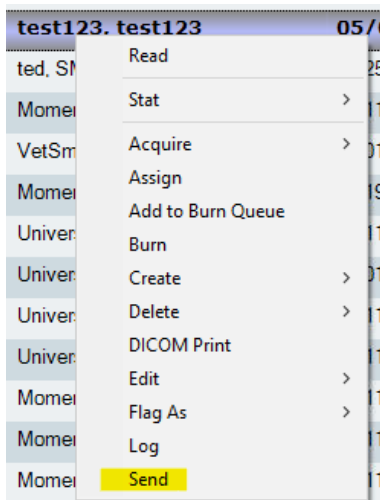
2. In the Study Send box, do the following:

   a. Check the **Symmetry-Sync** DICOM destination.
   b. Click the **Retries** drop-down arrow and select **1**.
   c. Click **SEND**.

3. **Opal-RAD**: The study should appear in the **Queues (tab)> Send Queues** list, and eventually to the Transfer Log section when complete.

   Symmetry Sync: The study should appear in the Symmetry Sync Studylist (ALL STUDIES tab) near the top of the list if received successfully. This process could take some time.

   See the Symmetry-user manual for instructions on how to log in and check this status if necessary.
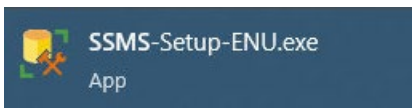
Batch DICOM Send data (MS SQL) from Opal-RAD PC

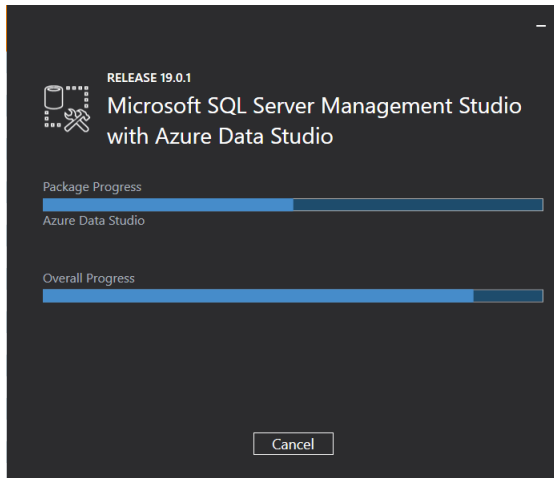**NOTE**: Be sure you are on the Opal-RAD PACS PC.

1. Click **Start** and search for **SQL Server**, and open Management Studio (your version may vary).
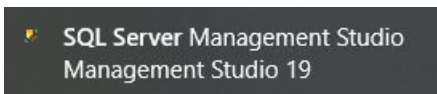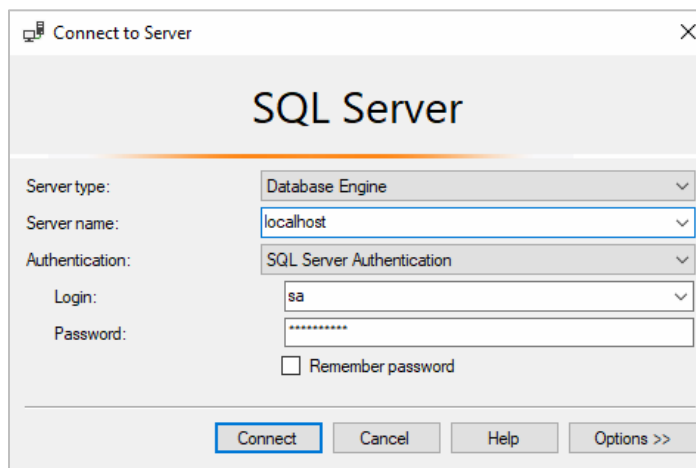

NOTE: If you cannot find SQL Server Management Studio:

   a. Select start and type **ssms** in the search bar.
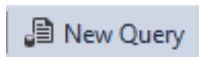   b. Click **SSMS-Setup** and follow installation instructions.

2. Log in to the SQL Server using the following settings. Click **Connect** when finished.
   Server Name: localhost, Authentication: SQL Server Auth, Login: sa, Password: 1q2w3e4r5t
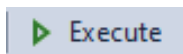

3. Click **New Query** near the top (or use shortcut **Ctrl+N**).

4. Copy and paste the following code into the window:

```
use opalrad
select * from send_destinations
```

5. Click **Execute** (or press **F5**).

6. Near the bottom, notate value in the **sendto_id** and **host_name** columns for the next applicable script.

7. Click **New Query** again to start a new script, and copy/paste this code into the window:

```
insert into send_queues (user_id, sendto_id, object_type, object_id,queue_created,
priority, attempts, attempts_done, start_time)
select 1, <sendto_id>, 'STUDY', study_id,current_timestamp, 0, 5,0,'now' from
studies where Study_datetime > '2000-01-01' and Study_datetime < '2099-12-31'
```

NOTE: Replace **<sendto_id>** from the previous script with the appropriate values without **<>** and execute it.

Example for sendto_id of 0:

```
insert into send_queues (user_id, sendto_id, object_type, object_id,queue_created,
priority, attempts, attempts_done, start_time)
select 1, 0, 'STUDY', study_id,current_timestamp, 0, 5,0,'now' from studies where
Study_datetime > '2000-01-01' and Study_datetime < '2099-12-31'
```

This may take a while, depending on the size of this database.

Back in the Opal-RAD Studylist, check the status under the **Queues** tab, and check the **Send Queues** to see pending/waiting studies. The Transfer Log will display studies that were already sent. The **Queues Status** column should read **SENT** for each study if it was successfully completed.
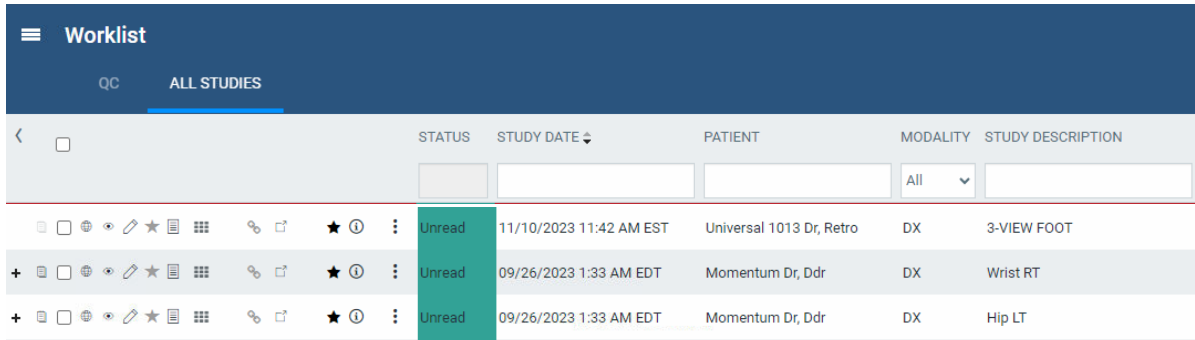
Symmetry Sync Validation

1. Launch the Symmetry Sync Studylist (shortcut on desktop).

NOTE: If the shortcut is missing, launch Google Chrome and type **localhost** in the URL bar and press **Enter**. The Symmetry PACS webpage should open.
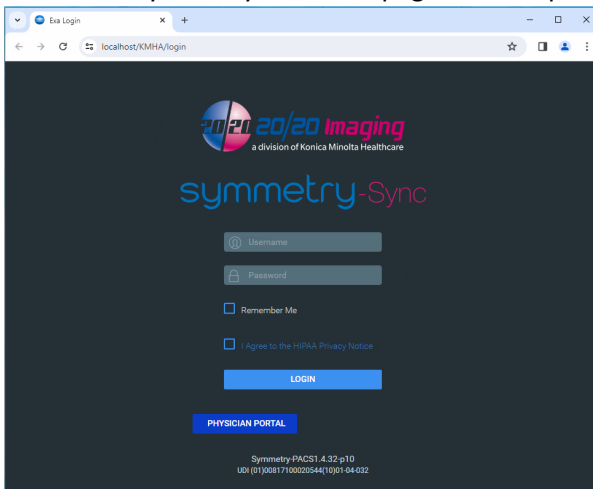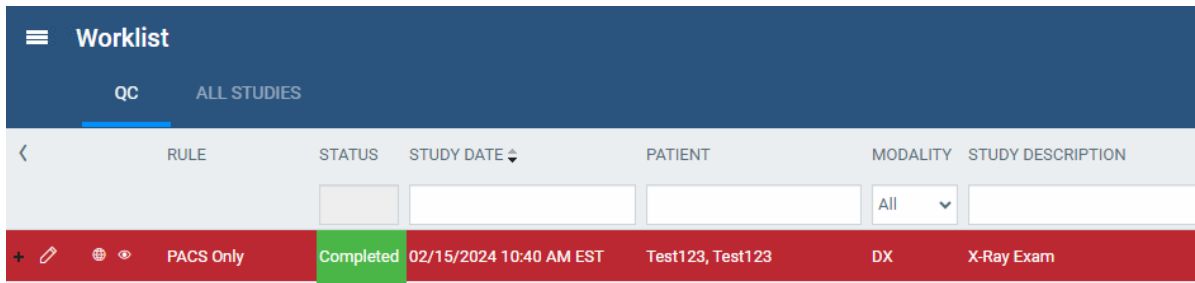
2. Type your credentials for the system (default is u: admin | p: 2020tech).

3. Check the **I Agree to the HIPAA Privacy Notice** box and click **Login**.

4. Confirm you are on the **ALL STUDIES** tab and check to see what data (based on a single test or batch) is displayed. You should see the data that has been sent from Opal-RAD:

5. If you do not see any studies yet (after waiting at least 5-10 minutes), you can click the **QC** (quality control) tab for the status, because all studies first pass through QC checks before arriving at the main studylist.


6. If you see an error under STATUS, you may need to complete the steps in the following section, *Configure Symmetry Sync for DICOM Receive*. If this fails, call 20/20 Imaging support for further assistance.
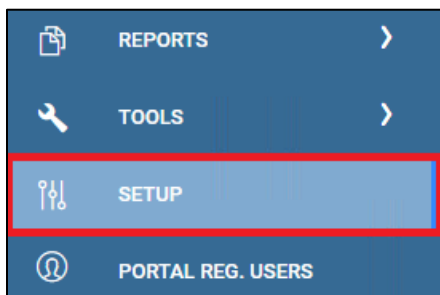
(Optional, if required) Configure Symmetry Sync for DICOM Receive

NOTE: Follow these steps **only** if specifically required (see previous section). They are usually unnecessary when Symmetry Sync is properly configured.
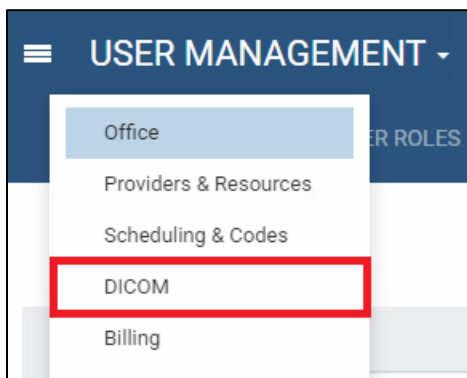
1. In the Symmetry Worklist, click the **hamburger** button in the top-left corner of the screen.
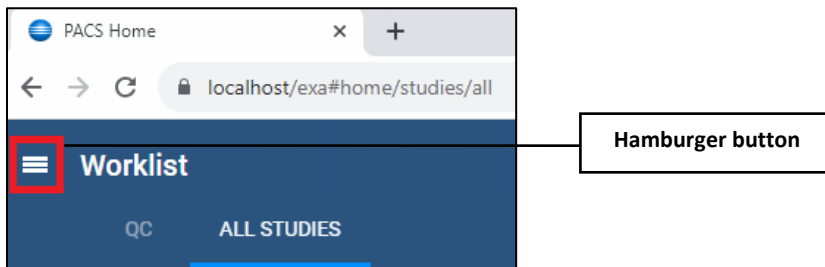
2. Click **Setup**.

3. Select **DICOM** from the drop-down menu.

4. Ensure you are at the AE TITLE section.

5. Click **ADD**.

6. Configure the following values:

- **AE Type**: Receive

- **AE Title (Remote):** SYMMETRY

- **Host Name:** localhost

- **Description:** SYMMETRY_R

- **Receive Facility:** Konica Minolta Healthcare

- **Issuer Type:** None

- **AE Flag:** DICOM

- **File Store:** Exa Server

- **Port**: 104

7. Click **DICOM ECHO** and verify the **Connected** message is displayed.

DICOM Echo

dicomEchoCommand
H:\viztek\EXA\bin.\OpalDicomEcho localhost 104 SYMMETRY EXA_SCP

result
Address : localhost
Port : 104
Called AeTitle: SYMMETRY
Calling AeTitle: EXA_SCP

Attempting to connect...
Aug17 12:05:29 'DICOM App Context Name' is not an SOP Class UID
Connected
Write EchoRq
Read Response

Association : 1
CalledAeTitle: SYMMETRY

8. Click **Save**.

SAVE	PING	DICOM ECHO	CLEAR	BACK
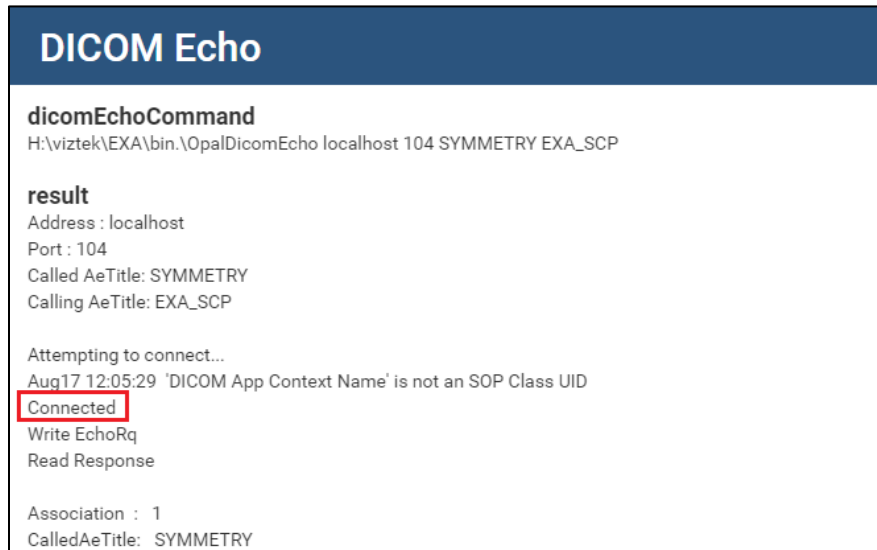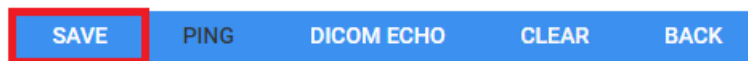
9. Select **DICOM> Receiver Rules**.

☰ DICOM⌄				
	AE TITLE	FILE STORE	ROUTING RULES	AE SCRIPTS	RECEIVER RULES
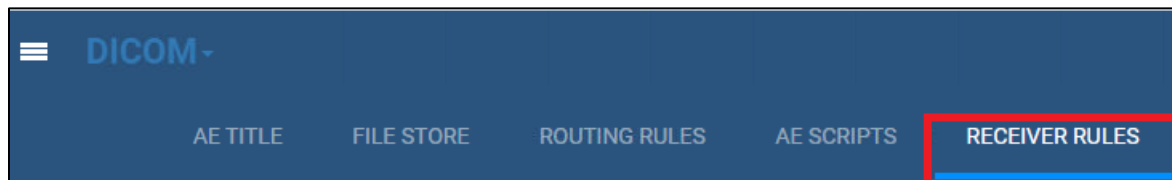
10. Click **Add**.

ADD	RELOAD

11. Enter the following information:

- **Rule Name**: PACS Only

- **AE Title**: SYMMETRY

- **Facility:** Konica Minolta Healthcare

- **Modality:** All

- **Status:** Unread

- **Interval (Sec.):** 120

- **Receiver Rule:** PACS Only

symmetry-Sync

Rule Information and Filter

Rule Name *	PACS Only ☐ Inactive
AE Title	SYMMETRY
Facility	All
Modality	All
Institution	
Status	Unread
Interval (Sec.) *	120
Trigger Routing Rules	☐
Issuer Of Alternate Account Number	☐
Receiver Rule	**PACS ONLY** PACS/RIS PACS/DMWL MIGRATION

Applied Rules

- Reconciliation Mode: PACS Only Site
- Emit Live Update
- Precache Study
- Precache Priors
- No. of Priors: **3**
- Select Study description from DICOM
- Patient
  - Account No./DICOM Patient ID
  - Last Name
  - Date of Birth
  - Move Anyway (Even in Exception)
  - Move to Live on No-Match
- Study
  - Study UID
  - Move to Live on No-Match

12. Click **Advanced**.

13. Check the following boxes:

   - **Move Anyway (Even in Exception)**

   - **Move to Live on No-Match**

   - **Move to Live on No-Match**

14. Click **Save**.

| SAVE | CLEAR | ADVANCED | BACK |
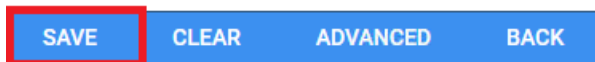
15. Click the **Up Arrow** in the Receiver Rules page to move the **PACS ONLY** rule to the Priority 1 position.