Neuropacs™ Agent Usage Guide

Authored By: Kerrick Cavanaugh



© 2026 Neuropacs. All rights reserved.

Table of Contents

Table of Contents 1
1 Neuropacs Agent Description 2
1.1 Operational Modes 2
1.1.1 Cloud Processing 2
1.1.2 Local Processing 2
2 System Requirements 3
2.1 Supported Environments 3
2.2 Hardware Requirements (Cloud Preprocessing) 3
2.3 Hardware Requirements (Local Preprocessing) 3
2.4 Network Requirements 3
2.5 Important Compatibility Notes 3
3 Installation 4
3.1 Prerequisites 4
3.2 Option A - Install the VM Image 4
3.3 Option B - Install with Docker on a Linux Server 5
3.4 Answer the Setup Questions 5
3.5 Sign-In to the Web Portal 6
3.6 Connect your PACS 6
3.7 Recommended Next Steps 6
3.8 Managing the Agent 7
4 Data Collection 7
4.1 Overview 7
4.2 Collected Metrics 7
4.2.1 Runtime Metrics 7
4.2.2 System Metrics 8

© 2026 Neuropacs. All rights reserved.

4.2.3 Container and Service Health 8
4.2.4 Processing and Workflow Metrics 8
5 De-identification and PHI Handling 9
5.1 Architecture and Data Flow 9
5.1.1 Workflow initiation 9
5.1.2. Input and output segregation 9
5.1.3 Failure handling policy 9
5.1.4 On-site retention of original values 9
5.2 Metadata Sent to the Cloud 9
6 Usage 10
6.1 Access control 10
6.2 Signing In 10
6.2.1 Session Expiration 11
6.3 Navigating the Portal 11
6.3.1 Product and version information 12
6.3.2 Toolbar Controls 12
6.3.3 Refreshing page data 12
6.3.4 Footer disclaimer 13
6.3.5 Uploading imaging manually 13
Before you upload 13
Submit a study 13
Association fields and privacy 14
6.4 Monitoring studies 14
6.4.1 Finding a study 14
6.4.2 Study table 15
6.4.3 Revealing protected identifiers 15
6.4.4 Marking a study as stable 16
6.4.5 Study actions 16
Check Processing Status 16
View Quality Control Results 16
Preview PDF Report or Preview Failure Report 16
Cancel Order 16
View Study Information 17

© 2026 Neuropacs. All rights reserved.

Assign to Group or Change Group 17
6.4.6 Moving between pages 17
6.5 On-Premises Quality Control (QC) 17
6.5.1 Report summary 18
6.5.2 Parameter validation 18
6.5.2 Bypassing quality control 19
6.6 Managing Groups 19
6.6.1 Creating a group 20
6.6.2 Uploading a batch 20
6.6.3 Finding and monitoring groups 20
6.6.4 Group details and reports 21
6.7 Viewing and delivering results 21
6.7.1 Finding results 22
6.7.2 Result table 22
6.7.3 Opening a report 23
6.7.4 Managing a result 23
Resend a report 23
Download another format 23
6.8 Using the log viewer 24
6.8.1 Searching and filtering 24
6.8.2 Reading a log entry 25
6.8.3 Exporting logs 25
7 Configuring the Agent 25
7.1 Settings reference 26
7.2 Saving settings and updating software 27
7.2.1 Save All Settings 27
7.2.2 Refresh Token 27
7.2.3 Check for Updates 27
7.3 Neuropacs Settings 28
7.4 HTTPS and TLS 28
7.5 DICOM Settings 29
7.6 Authentication Settings 30
7.6.1 SAML SSO Settings 30

© 2026 Neuropacs. All rights reserved.

7.7 Deidentification and privacy 31
7.8 Quality Control 32
7.9 Group Settings 32
7.10 Result Delivery 32
7.10.1 Manage destinations 33
7.10.2 DICOM Encapsulated PDF 34
7.10.3 DICOM Structured Report 34
7.10.4 HL7v2 ORU over MLLP 34
7.10.5 HL7 FHIR R4 34
FHIR signing keys 35
7.10.6 REST API or webhook 35
7.10.7 Email 35
7.10.8 Field rules 35
7.10.9 Test a destination 36
7.11 Failure Report Delivery 36
7.12 Notifications 36
7.13 Log Forwarding 38
7.14 Local Preprocessing 38
7.15 Data Retention Policy 39
7.16 Advanced 39
7.17 Agent Information 40
8 Support 40
9 Document Version History 40

© 2026 Neuropacs. All rights reserved.

1 Neuropacs Agent Description

The Neuropacs Agent is a virtual appliance designed to be deployed at a hospital, provider site, or imaging center to facilitate the Neuropacs workflow. Our pre-hardened virtual machine can be installed and configured in minutes to save time and reduce risk for each Neuropacs analysis. The Neuropacs Agent provides a web-based portal for configuring settings and managing studies.

1.1 Operational Modes

1.1.1 Cloud Processing

Images are securely uploaded to the Neuropacs Cloud over HTTPS with TLS 1.2 or higher. All data is encrypted at rest with AES-256 encryption. The cloud platform performs the full processing workflow, including image preprocessing, feature extraction, and machine learning analysis.

1.1.2 Local Processing

Imaging remains within the local environment. Only the derived features needed for cloud analysis, together with the required order metadata, are transmitted to the cloud platform. The derived features do not contain patient-identifying information or pixel data.

This mode provides greater control over imaging data leaving the facility and requires sufficient local CPU, memory, and storage resources. Administrators can configure the number of concurrent preprocessing jobs and the CPU and memory limits for each processing container. Local Processing still requires connectivity to the Neuropacs Cloud for analysis and report retrieval.

2 System Requirements

2.1 Supported Environments

The platform can be deployed on a Linux host with Docker installed or in any VMware environment.

© 2026 Neuropacs. All rights reserved.

2.2 Hardware Requirements (Cloud Preprocessing)

- Application
    - CPU: 2+ CPUs
    - RAM: 4+ GB
- Storage: 250 GB minimum

2.3 Hardware Requirements (Local Preprocessing)

- Application
    - CPU: 2+ vCPUs
    - RAM: 4+ GB
- Processing pipeline
    - CPU: 6+ CPUs / container
    - RAM: 8+ GB / container
- Storage: 250 GB minimum

2.4 Network Requirements

- Port 3001 (TCP), inbound: web interface
- Port 104 (TCP), inbound: DICOM. Allow access from a PACS.
- HTTPS (TCP 443), outbound: to the Neuropacs Cloud service and AWS S3 endpoints.

2.5 Important Compatibility Notes

- The application runtime is Linux-based in all supported deployment models.
- Windows and macOS are supported as host environments only and do not run the application as native Windows or macOS workloads.
- Native Windows-only Docker deployments are not supported.
- It is highly recommended to use **high-performance SSD storage** for local processing installations, preferably on a dedicated processing volume. Fast SSD storage helps reduce I/O bottlenecks and improves overall processing speed and consistency.

3 Installation

3.1 Prerequisites

- API key
- Service username and password
- Institution registered with neuropacs

© 2026 Neuropacs. All rights reserved.

- Open virtual machine image archive (OVA) (Option A), or Docker registry credentials (Option B)

3.2 Option A - Install the VM Image

1. **Import the VM**
    a. VMware: open the provided .ova file in VMware

2. **Start the VM and sign in**
   Use the provided installation credentials to sign into the VM. You will be prompted to reset the password on the first login attempt. SSH key-based authentication can also be configured.

3. **Find the VM's IP address**
   This IP address Is how other computers and RIS system will reach the VM. You will use it to access the Agent's integrated web interface and configure a PACS to send studies to the Agent's DICOM receiver.

4. **Start the Agent**
   Run the setup script in the home (~) folder, then answer the setup questions (see *Answer the Setup Questions*).

   `~/init.sh`

5. **Leave the Agent running in the background**
   When the finishes successfully, allow the Agent to continue running. The Agent starts automatically whenever the VM restarts.

6. **Important Notes**
   Neuropacs does not impose restrictions on additional software/tooling installed on the VM, only that this software does not interfere with the Agent's operation. Consult with the Neuropacs team prior to installing additional software.

   Software updates and security patches can be configured to occur automatically or manually by an administrator.

3.3 Option B - Install with Docker on a Linux Server

1. **Install Docker Engine**
   Follow Docker's instructions for your Linux distribution and confirm the `docker` command works.

© 2026 Neuropacs. All rights reserved.

2. **Sign into the image registry**
   Use the registry credentials provided by Neuropacs. Enter the password or token when prompted. Avoid typing protected credentials into the command line.

   ```
   `docker login ghcr.io -u <username>`
   ```

3. **Start the Agent**
   Run the command below. Then answer the setup questions (see *Answer the Setup Questions*). Leave the container running in the background. The Agent restarts automatically with the host.

The Agent stores its settings and data in Docker volumes (n*europacs-config*, *neuropacs-agent-data* and *neuropacs-container-workspaces*). These volumes are kept when the container is stopped, removed, or updated. Never delete these volumes unless you are uninstalling the Agent permanently.

3.4 Answer the Setup Questions

The first time the Agent starts, it asks the following questions. Secrets are not shown when typed.

- **API key:** enter the API key from neuropacs.
- **Institution name:** enter your institution name.
- **API URL:** press *Enter* to accept the default, unless neuropacs has given you a different URL.
- **Service user and password:** enter the service username and password from neuropacs. Setup checks them with neuropacs and asks again if they are not accepted.
- **Enable local processing?:** Answer depends on your configuration and data policies.
- **Build type (Docker installs only; the VM image sets this for you):** press Enter to accept clinical, unless neuropacs has told you otherwise.
- **Deployment:** press Enter to accept production.
- **Remove all setup containers and volumes if setup fails?** Answer *Yes* only for a first-time installation with no existing data to keep. Otherwise, answer *No*.

3.5 Sign-In to the Web Portal

1. **Open the web interface**

In a browser, go to *http://<server-address>:3001*, where *<server-address>* is the IP address or host name of the VM or server.

2. **Sign in**
   Sign in with the service password you entered during setup. You can configure alternative authentication methods in *Settings*.

3.6 Connect your PACS

1. **Check the Agent's DICOM settings**
   In Settings > DICOM Settings, note the Agent's AE Title (*NEUROPACS_SCP* by default). To accept studies only from known systems, list your PACS AE titles under Allowed Calling AE Titles.
2. **Add the Agent as a destination in your PACS**
   Enter the Agent's AE Title, the server's IP address, and the configured DICOM port (default 104).
3. **Test the connection**
   Send a DICOM echo (C-ECHO) from your PACS to the Agent and confirm that it succeeds.
4. **Set up forwarding rules**
   Create rules in your PACS or integration engine so that only the studies to be analyzed are sent to the Agent. Work with Neuropacs Support to configure these routing policies.

3.7 Recommended Next Steps

- **Enable HTTPS for the Web UI:** in Settings > HTTPS / TLS, upload your certificate and private key, then restart the Agent.
- **Set up report delivery:** in Settings, add the destinations that should receive reports (PACS, HL7, FHIR, REST or email). Use the test buttons to confirm each one.
    - **Note:** The Neuropacs Agent sends reports with site-supplied identifiers. The site's receiving system (PACS/integration engine) handles record matching. The receiving system should use those identifiers to associate the report with the appropriate patient, study, or order, and is responsible for resolving unmatched or ambiguous results.
- **Secure the VM:** change the default VM password if you have not already done so, and consider SSH key sign-in. The VM comes pre-hardened with a firewall and modern security features.

© 2026 Neuropacs. All rights reserved.

3.8 Managing the Agent

An admin can run these Docker commands on the VM or server.

```
docker ps                          # Check that the Agent is running
docker logs -f neuropacs-app       # Follow the Agent's logs
docker restart neuropacs-app       # Restart the Agent
docker stop neuropacs-app          # Stop the Agent
docker start neuropacs-app         # Start the Agent
```

4 Data Collection

4.1 Overview

The Neuropacs Agent continuously collects operational telemetry to ensure the secure, reliable, and compliant operation of the system through scheduled heartbeats. These metrics are used exclusively for system health monitoring, performance optimization, fault detection, and regulatory compliance.

4.2 Collected Metrics

The following categories of operational metrics are collected by the Neuropacs Agent:

4.2.1 Runtime Metrics

Metric	**Description**
Agent ID	Logical Agent identifier (UUID)
Runtime Type	Runtime of the Agent (i.e., Docker, Singularity, Native)
Application Version	Running agent version

4.2.2 System Metrics

Metric	**Description**
CPU Core Count	Number of logical CPU cores available

CPU Load	Current system CPU utilization
Total Memory	Total physical memory available
Available Memory	Unused system memory available
Disk Free Space	Available disk storage on the working volume
Disk I/O Activity	Aggregate read/write activity indicators

4.2.3 Container and Service Health

Metric	**Description**
Container Status	Runtime state of each Neuropacs service container
Container Uptime	Duration each service has been continuously running
Service Availability	Health status of critical processing and API services

4.2.4 Processing and Workflow Metrics

Metric	**Description**
Order Status	Status of executed orders
Processing Queue	Local processing queue metrics (if applicable)

Metrics are strictly limited to infrastructure-level operational information and do not contain patient identifiers or clinical imaging data. All communications are encrypted in transit with TLS 1.2+ and authenticated via the service user.

5 De-identification and PHI Handling

The Agent applies de-identification locally before uploading imaging data to the cloud. De-identification covers DICOM files and NIfTI datasets, including associated JSON sidecars. Original source files and identifiers retained locally for returning results to the site are not included in cloud uploads.

5.1 Architecture and Data Flow

5.1.1 Workflow initiation

De-identification begins when a study enters the processing workflow. This applies to the standard processing path and to any alternate workflow path that has been explicitly permitted by system configuration. A study that mixes DICOM and NIfTI data is rejected and is not processed.

5.1.2. Input and output segregation

Source data is read from the study's ingestion location and written to a separate de-identification output location. Original received data and de-identified output stay logically separate throughout processing. Only the de-identified output is uploaded.

5.1.3 Failure handling policy

De-identification is a strict pass/fail operation at the study level. If any required file cannot be de-identified, the study fails this stage, imaging is deleted, and it does not proceed further in the workflow.

5.1.4 On-site retention of original values

The original header values that de-identification removes, the original JSON sidecars and any identifiers entered at upload are stored in the Agent's local database. The Agent uses them to file results using the original identifiers. These values are never sent to the cloud.

5.2 Metadata Sent to the Cloud

Order metadata sent to the cloud is filtered on a deny-by-default basis. It is limited to a defined set of technical acquisition fields, plus Patient Age (with ages over 89 reported as 90) and Patient Sex. The accession number is included only when **Send accession number** is enabled. This setting Is recommended for multi-site record affiliation.

© 2026 Neuropacs. All rights reserved.

Values typed by users, such as the Study ID, upload folder or ZIP file names and group names, are sent to the cloud as entered. The web UI warns users of this at upload. These values should not contain PHI.

6 Usage

6.1 Access control

The Agent Portal uses role-based access control with two roles.

Role	Assignment	Access
Administrator	Service user password sessions, Neuropacs admin accounts, and SAML SSO users in the configured *Admin* Group.	All functions, including configuration, updates, QC overrides, manual report delivery, and study group assignment.
User	SAML SSO users in the configured *User* group, non-admin (read-only, read-write) Neuropacs accounts.	View studies, results, groups, logs, and settings; upload studies; create and cancel orders; and download reports.

6.2 Signing In

The Agent supports service user credentials, SAML SSO, and Neuropacs accounts for authentication.

© 2026 Neuropacs. All rights reserved.

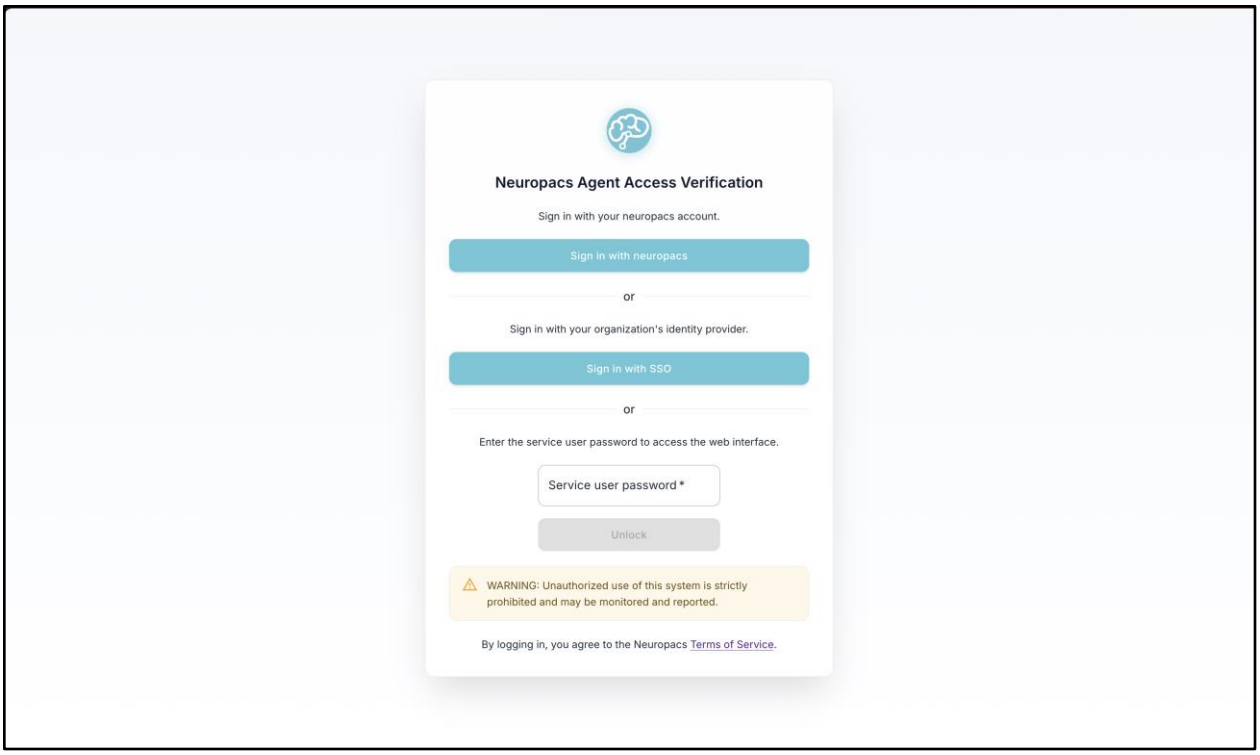

Figure 1. Sign-in screen with Neuropacs account, SAML SSO, and service user password enabled.

Method	Description
Sign in with neuropacs	Sign in using your Neuropacs account credentials issued to users during onboarding. Additional accounts can be created by contacting Neuropacs support. RABC enforced via internal roles.
Sign in with SSO	Sign in through your organization's identity provider. RBAC enforced via IdP roles.
Service user password	Service user password used to configure the Agent. The service user inherits the admin role. No RBAC supported.

6.2.1 Session Expiration

Sessions are valid for eight hours and refreshed with use. After the session expiration, the user is signed out.

© 2026 Neuropacs. All rights reserved.

6.3 Navigating the Portal

The navigation bar appears at the top of every page. Use the **Studies**, **Groups**, Results, Logs, and Settings tabs to move between pages.

6.3.1 Product and version information

Indicator	Meaning
Version	Installed Agent software version.
Channel indicator	Update channel.
Clinical/Complete	Indicates the product catalog available to this Agent instance. Only products designated for clinical use (FDA authorized) are available for the “Clinical” build. The full product catalog is available to the “Complete” build, including non-FDA authorized solutions.

6.3.2 Toolbar Controls

The following controls appear from left to right.

Control	Action
Account	View the signed-in name or email address, role (Admin or User), and session type (SSO or Service user).
Sign out	End your session. SSO sessions also perform single logout through the identity provider.
About	View available products. Select a product to see its regulatory labeling, including its name, device description, Unique Device Identifier (UDI), and version.
Documentation	Open the online Agent documentation in a new browser tab.
Dark/Light Mode	Change the display theme.
Upload	Open the Upload Imaging dialog.
Refresh	Refresh the UI. See section 6.3.3.

© 2026 Neuropacs. All rights reserved.

6.3.3 Refreshing page data

Use **Refresh Now** to reload the current page's data. To refresh automatically, enable **Auto-Refresh** and choose a Refresh Interval of 5, 10, 15, 30, or 60 seconds. The default is 10 seconds.

During automatic refresh, the button shows the remaining time in green, such as 10s. Refresh pauses while a dialog or menu is open so the data does not change while you are interacting with it. The button displays **Paused** in orange during this time.

6.3.4 Footer disclaimer

The footer displays the copyright notice and the disclaimer for the installed build:

- **clinical**: “Patient management decisions should not be made solely on the basis of analysis by the neuropacs system.”
- **complete**: “Not for clinical use.”

6.3.5 Uploading imaging manually

Use **Upload** to submit a study from your browser as an alternative to routing DICOM images from a PACS or modality.

Before you upload

Each order may contain up to 5 GB of data. Select **Folder** or **ZIP Archive** as the upload method. A dataset must contain either:

- DICOM files, optionally accompanied by JSON sidecar files; or
- One NIfTI dataset containing .nii or .nii.gz, .bvec, and .bval files with a common base name, plus a required JSON sidecar file.

Do not combine DICOM and NIfTI data in the same upload. Keep the browser window open until the transfer finishes.

Submit a study

1. Select **Upload**.
2. Optionally enter a **Study ID/Name**. Use 5–50 characters consisting of letters, digits, underscores, hyphens, or spaces. If you leave the field blank, the Agent generates an identifier in the form ORDER_{UUID}. The portal checks uniqueness as you type. If the name is already in use, select **Use This** to accept the suggested alternative. ***Caution: The Study ID/Name is sent to the Neuropacs cloud exactly as entered. Do not include PHI.***
3. Enter any required **Association Fields**. These values associate the report with the correct patient and order in local systems. See the privacy details below.

4. Optionally select **Assign to Group.** Selecting a group fixes the analysis products to those configured for that group.
5. Select at least one **Analysis Product**. Hover over a product to view its full name.
6. Choose **Folder** or **ZIP Archive** and select the imaging data. If needed, select **Download JSON sidecar template** to obtain a template with basic fields.
7. Select Submit. The portal creates the order and displays upload progress. When the transfer finishes, it opens the Studies page.

Association fields and privacy

The default association fields are Accession Number, Patient Age, and Patient Sex. Additional fields include Patient ID (MRN), Patient Name, Birth Date, Study Instance UID, referring and requesting physician, and order numbers.

Of these association fields, only Patient Age, Patient Sex, and optionally Accession Number are sent to the neuropacs cloud. Patient Age is capped at 90. Accession Number is sent only when **Send Accession Number to neuropacs™ Cloud** is enabled in Settings. Other association values remain on the Agent and are used solely for report routing.

6.4 Monitoring studies

The Studies page lists orders received by the Agent, with the most recently received orders first.

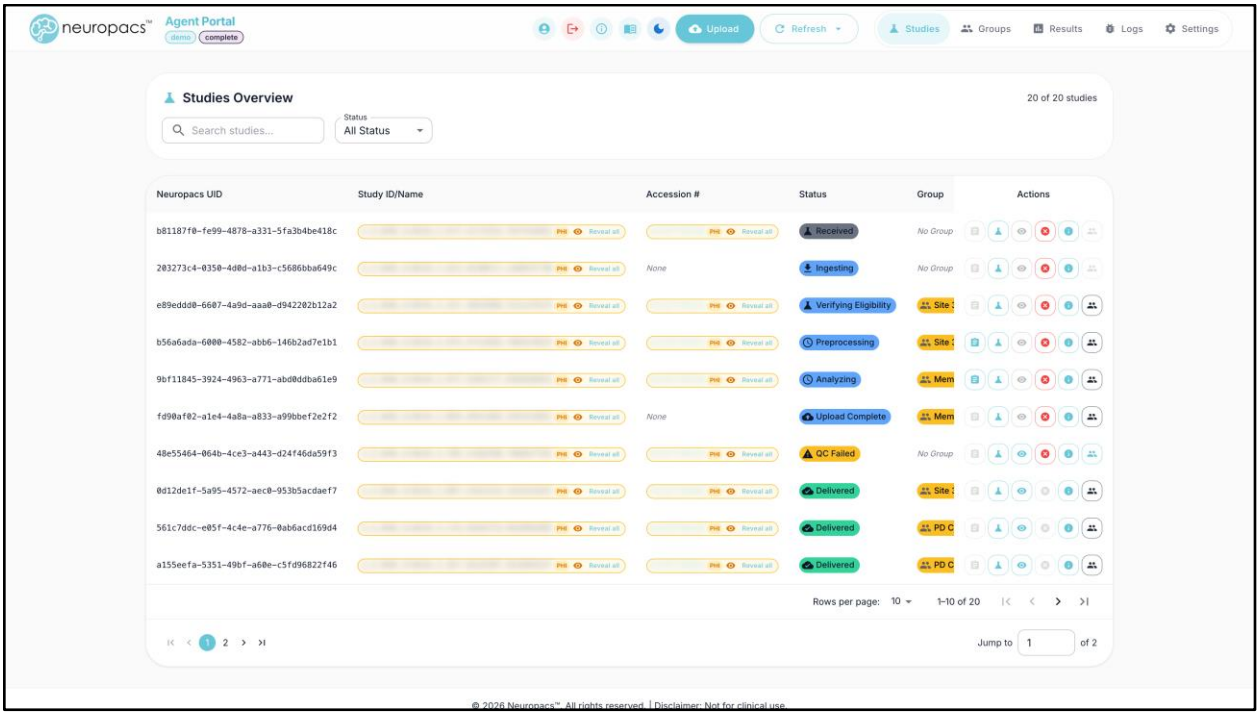

Figure 2. Studies page.

6.4.1 Finding a study

Enter a Neuropacs UID, Study Instance UID, or Accession Number in **Search studies...**. Use **Status** to show a single processing state; only statuses present in the current data are offered. The study count shows the number of matching studies and the total, such as “20 of 20 studies.”

6.4.2 Study table

Scroll horizontally to view **Upload Method**, **Received**, **Updated**, and **Stable**. The **Actions** column remains fixed at the right edge.

Column	Description
Neuropacs UID	Order identifier assigned by neuropacs.
Study ID/Name	Study identifier. For DICOM studies, this is the Study Instance UID. Protected by the PHI shield.
Accession #	Study accession number, protected by the PHI shield. Displays “None” when no value is present.
Status	Current processing state. See Section 9.
Group	Assigned group, or “No Group.”
Upload Method	DICOM Receive for routed studies or Manual for browser uploads.
Received	Date and time the first image was received.
Updated	Date and time the study record was last modified.
Stable	Yes when no new images have arrived during the DICOM Stabilization Period and the sending association has closed. The default period is 60 seconds. No indicates that more images may still arrive.

6.4.3 Revealing protected identifiers

Fields that may contain protected health information (PHI) are hidden by default and labeled **PHI**.

- Select the eye icon (**Show protected value** or **Hide protected value**) to reveal or hide one field.
- Select **Reveal all**, then select **Confirm?**, to reveal all protected fields on the page.

© 2026 Neuropacs. All rights reserved.

- Select **Hide** to obscure revealed values. Values are also hidden when you change the page of results or reload the browser page.

6.4.4 Marking a study as stable

Administrator. For a study that is not yet stable, select **force?** in the **Stable** column to stop waiting for additional images. The status changes to **Force Stable.** On the next pipeline cycle, the study proceeds through quality control, de-identification, and upload.

Caution: Use this action only after confirming that all images have arrived. If images are still in transit, the Agent processes an incomplete study.

6.4.5 Study actions

The row actions appear from left to right in the following order.

Check Processing Status

Select the clipboard icon to open the Processing Status dialog. This action is available during **Preprocessing**, **Analyzing**, **Local Preprocessing**, **Preprocessing Complete**, and **Preprocessing Failed.** For local preprocessing, the dialog displays progress and job status. For cloud processing, it retrieves the current processing stage from the Neuropacs Cloud.

View Quality Control Results

Select the flask icon to open the Quality Control Report. This action is always available. Before QC runs, the dialog displays “Quality Control Pending.”

Preview PDF Report or Preview Failure Report

Select the eye icon to view an available report. For delivered studies, first select the product from the menu. Failure reports open directly. When a report is not yet available, the tooltip reads “Report available after delivery.”

Cancel Order

Select the red cancel icon and confirm to cancel an eligible order. Cancelling a local preprocessing job in **Queued** or **Preprocessing** stops the job and removes its container; this requires the Administrator role. Other eligible orders are cancelled in the neuropacs cloud and set to **Cancelled**.

Cancellation is unavailable for final-state studies and for **Preprocessing Complete**. Final states include **Delivered, Partially Delivered, Failed, Cancelled, Expired, Upload Failed, and Preprocessing Failed.**

© 2026 Neuropacs. All rights reserved.

Caution: Order cancellation cannot be undone.

View Study Information

Select the information icon to view protected study identifiers, patient age and sex, status, upload method, DTI/DWI detection, requested products, timestamps, diffusion series, and cloud metadata. If the cloud is unreachable, the dialog shows local information only.

Assign to Group or Change Group

Select the people icon to assign a stable study to a group or change its group. The study's products must exactly match those of the destination group. For unstable studies, the tooltip reads “Cannot assign unstable order to group.”

6.4.6 Moving between pages

Choose 10, 25, 50, or 100 **Rows per page**. Use the first, previous, next, last, or numbered page controls, or enter a page number in **Jump to**. The portal retains your page position for the current browser session.

6.5 On-Premises Quality Control (QC)

The Neuropacs Agent performs **on-premises** quality control to validate the integrity and suitability of submitted imaging data prior to processing. Quality control checks are designed to ensure compliance with **Neuropacs analysis and clinical requirements.**

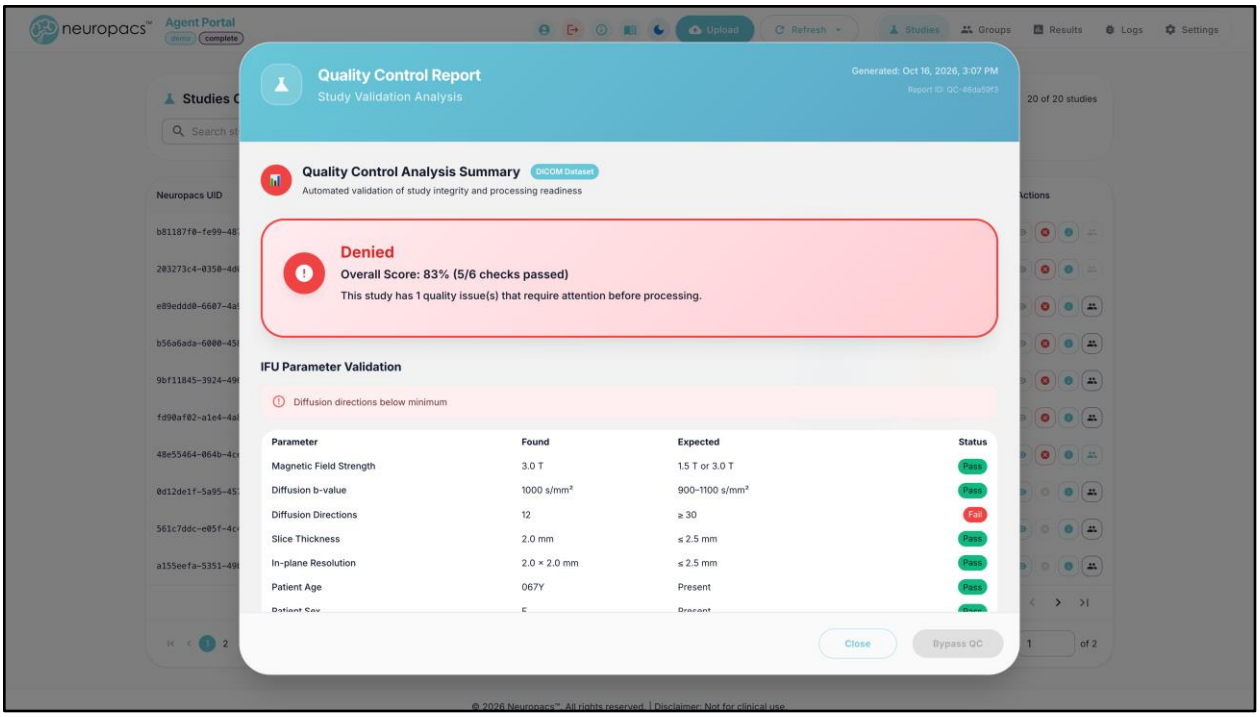

Figure 3. Quality Control Report for a study that failed eligibility verification.

6.5.1 Report summary

Item	Description
Generated	Date and time the report was displayed.
Report ID	QC- followed by the last eight characters of the study identifier.
Dataset type	DICOM Dataset or NIfTI Dataset.
Verdict	Approved in green when no enforced check fails; otherwise Denied in red.
Overall Score	Percentage and number of checks passed, such as “83% (5/6 checks passed).” Bypassed checks count as passed.

6.5.2 Parameter validation

Messages above the table explain failed checks, such as “Diffusion directions below minimum.”

Column	Description

Parameter	Evaluated value, such as magnetic field strength, b-value, diffusion directions, slice thickness, in-plane resolution, patient age, or patient sex. An annotation may identify an advisory check.
Found	Value read from the study.
Expected	Value or range required by the product IFU.
Status	Pass or Fail for enforced checks; Match or No match in gray for advisory checks; Bypassed in orange for overridden checks. Advisory checks do not affect the verdict.

Enforcement categories are configured under Settings → Quality Control.

6.5.2 Bypassing quality control

The **Quality Control Override** section appears only while a study is in **QC Failed**. It allows the study to proceed despite the failed QC verdict.

1. Review the **Important Notice**. A bypass may incur additional processing charges, lead to incomplete or failed analysis, or produce unreliable results.
2. Select the acknowledgement: “I understand the risks and acknowledge that I will incur charges for this order, even if processing does not complete successfully.”
3. Select **Bypass QC**.

The status changes to **QC Bypass.** On the next pipeline cycle, the Agent de-identifies the study and either uploads it to the cloud or queues it for local preprocessing.

Select **Close** to leave the report without making changes.

Caution: Results from data that do not meet the product IFU and acquisition requirements may be unreliable. Use QC Bypass only after the deviation has been reviewed and accepted.

6.6 Managing Groups

A group is a collection of related studies tracked together and can be summarized in a combined report. Each group has a name, a fixed set of analysis products, and a Neuropacs Group ID.

© 2026 Neuropacs. All rights reserved.

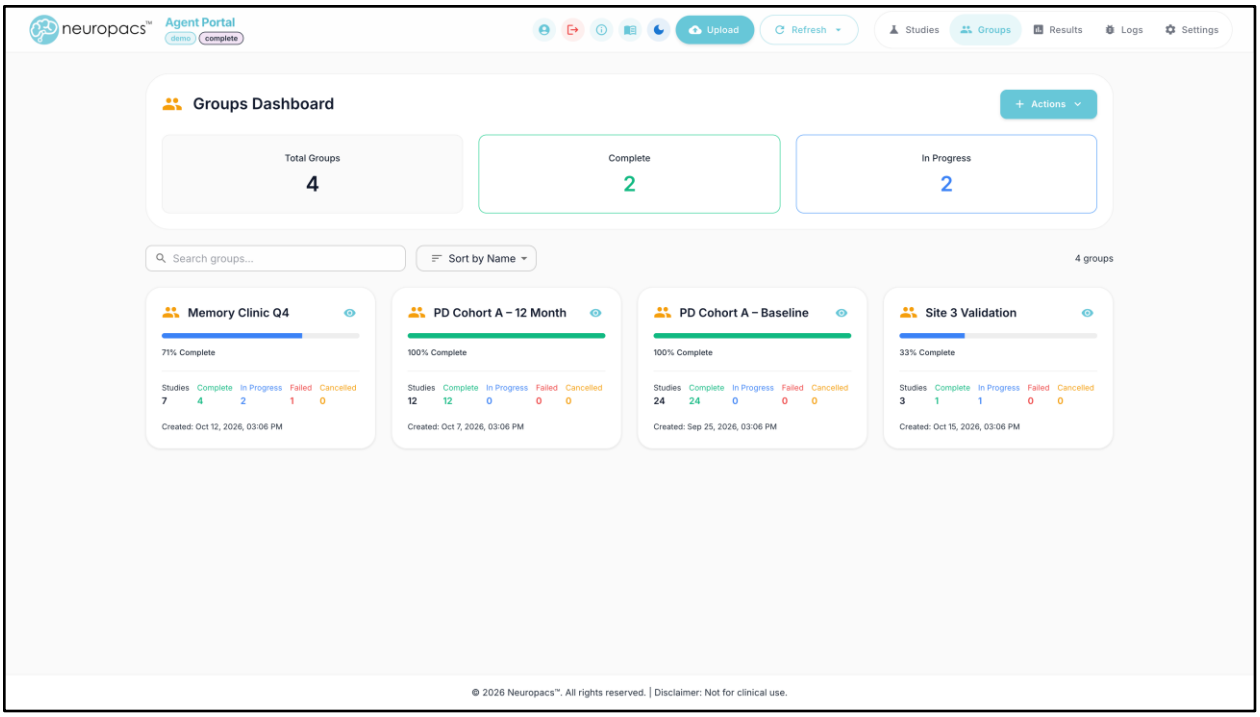

Figure 4. Groups dashboard.

6.6.1 Creating a group

1. Open **Actions** → **Create New Group**.
2. Enter a unique **Group Name** of 5–30 characters. The Agent verifies uniqueness as you type.
3. Select the analysis products under **Select Products** and create the group.

Caution: Group names are sent to the Neuropacs cloud. Do not include patient names, MRNs, or dates.

6.6.2 Uploading a batch

Open **Actions** → **Batch Upload** and select an existing group. The group's analysis products are applied to all uploaded studies and cannot be changed in this dialog.

Choose one of these formats:

- Group ZIP (folder): a folder containing one ZIP archive per study.
- Group folders (folder of folders): a folder containing one subfolder per study.

6.6.3 Finding and monitoring groups

Use **Search groups...** to filter by name or Neuropacs Group ID. Use **Sort by** to sort by Name (default), Created Date, Progress, or Study Count.

The header shows **Total Groups**, **Complete**, and **In Progress**. A complete group has all studies in the delivered, failed, or cancelled categories. Other groups, including empty groups, appear as in progress.

Group card item	Description
Group name	Hover to view the full name.
View Details	Open group details. Available only when the group contains studies.
% Complete	Progress calculated as (Delivered + Failed + Cancelled) ÷ total studies. A group is complete at 100%.
Studies	Total studies in the group.
Complete	Delivered studies.
In Progress	Studies not yet in a terminal state.
Failed	Studies in a failed terminal state.
Cancelled	Cancelled studies.
Created	Date and time the group was created.

6.6.4 Group details and reports

The Group Details dialog contains a **Status Overview** with progress and an "X of N orders complete" count; **Statistics** with study counts; and **Details** with creation and update dates and the Neuropacs Group ID.

Group Report Delivery Configuration shows the configured delivery method (Section x.xx).

- Select **Download Report** → **Prediction Indexes (CSV)** to download the combined report as `<group>_prediction_indexes_<date>.csv.`
- Select **Send Report** to deliver the group report immediately. This action is unavailable until a delivery method is configured.

6.7 Viewing and delivering results

The Results page lists reports received by the Agent, with one entry per study and product combination, plus any failure reports.

© 2026 Neuropacs. All rights reserved.

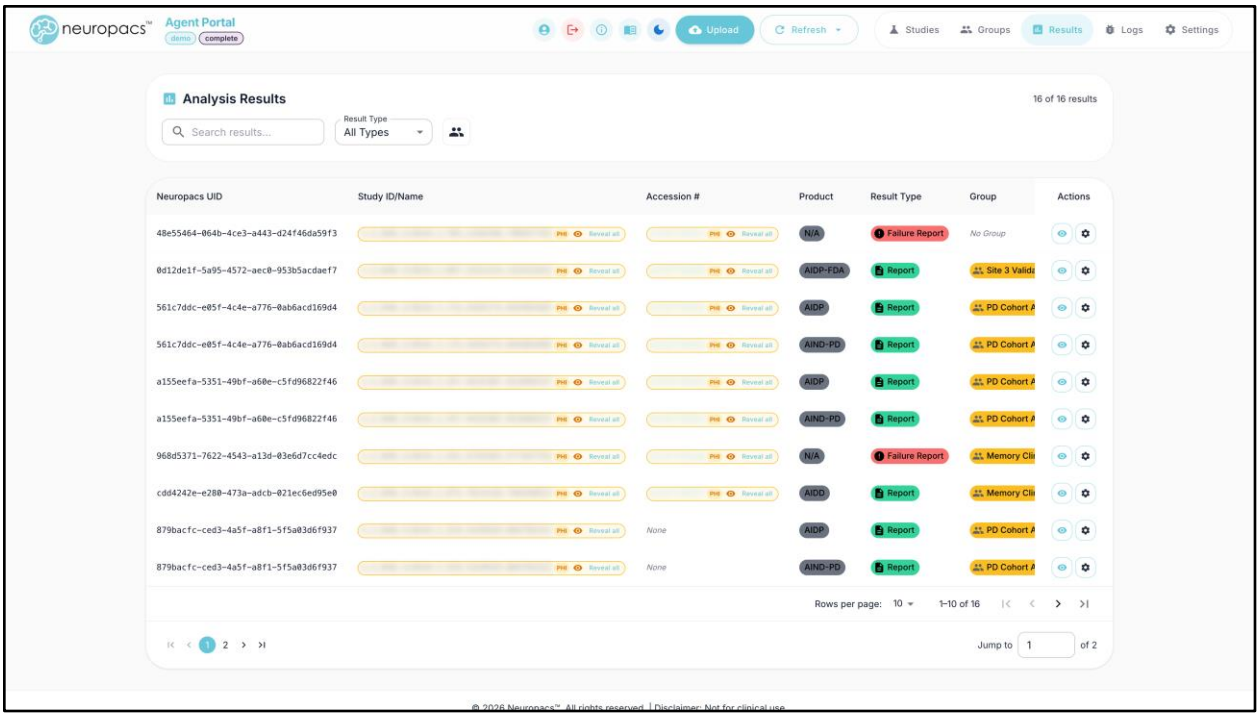

Figure 5. Results page.

6.7.1 Finding results

Use **Search results...** to search by Neuropacs UID, Study Instance UID, accession number, result type, source, group name, or Neuropacs Group ID. Select **All Types**, **Report**, or **Failure Report** under **Result Type.**

Select **Group by Group** to organize results into collapsible group sections. Ungrouped results appear last under “Individual Orders.” Select **Ungroup** to return to the standard list.

6.7.2 Result table

Scroll horizontally to view **Source**, **Received**, and **Status**. The **Actions** column remains fixed at the right edge.

Column	Description
Neuropacs UID, Study ID/Name, Accession #	Protected fields use the PHI shield.
Product	Product that generated the report, such as *AIDP* or *AIND-PD*. Hover to view its description. Failure reports display **N/A.**

© 2026 Neuropacs. All rights reserved.

Result Type	**Report** in green for analysis results; **Failure Report** in red for an explanation of why processing did not complete.
Group	Assigned group, or “No Group.”
Source	**AGENT** for orders submitted by this Agent; **EXTERNAL** for orders submitted elsewhere in the organization. External orders appear only when **Show External Orders in Results** is enabled.
Received	Date and time the report was received.
Status	Report delivery state. Hover for destination details or select the status to open Manage Result.

Delivery statuses are **Available** (no automatic delivery recorded), **Delivered** (delivered to all destinations), **Delivering (x/y), Partial Failure (x/y)**, **Delivery Failed**, and **Unknown**.

Note: A study marked **Delivered** has received its requested reports. Delivery of those reports to PACS, EHR, or other destinations is tracked separately here.

6.7.3 Opening a report

Select the eye icon (**View PDF Report**). The PDF viewer displays the accession number, study identifier, and product. Use **Refresh**, **Open in New Tab**, **Download PDF**, or **Close** as needed.

6.7.4 Managing a result

Select the gear icon (**Manage Result Options**) or the delivery status to open Manage Result.

Result Details shows the result type and study identifier. **Delivery Status** lists each destination's protocol, delivery state (delivered, pending, or failed), attempt count, and any error. HL7v2 deliveries also show the message control ID (MSH-10). Use the refresh control to retrieve the latest status.

Resend a report

Manual delivery is typically used after correcting the cause of a delivery failure.

1. Under **Manual Delivery**, choose **Select Destination**.
2. Review the destination's connection settings under **Delivery Configuration**.
3. Select **Send Now**.

© 2026 Neuropacs. All rights reserved.

Download another format

Under **Download Alternative Formats**, select **JSON Data**, **Text File**, **XML Data**, **PNG Image**, **PDF Report**, or **Feature Vector** (CSV). Feature Vector is available only for analysis reports and is subject to additional permissions.

6.8 Using the log viewer

The Log Viewer provides access to Agent application logs without requiring access to the host system.

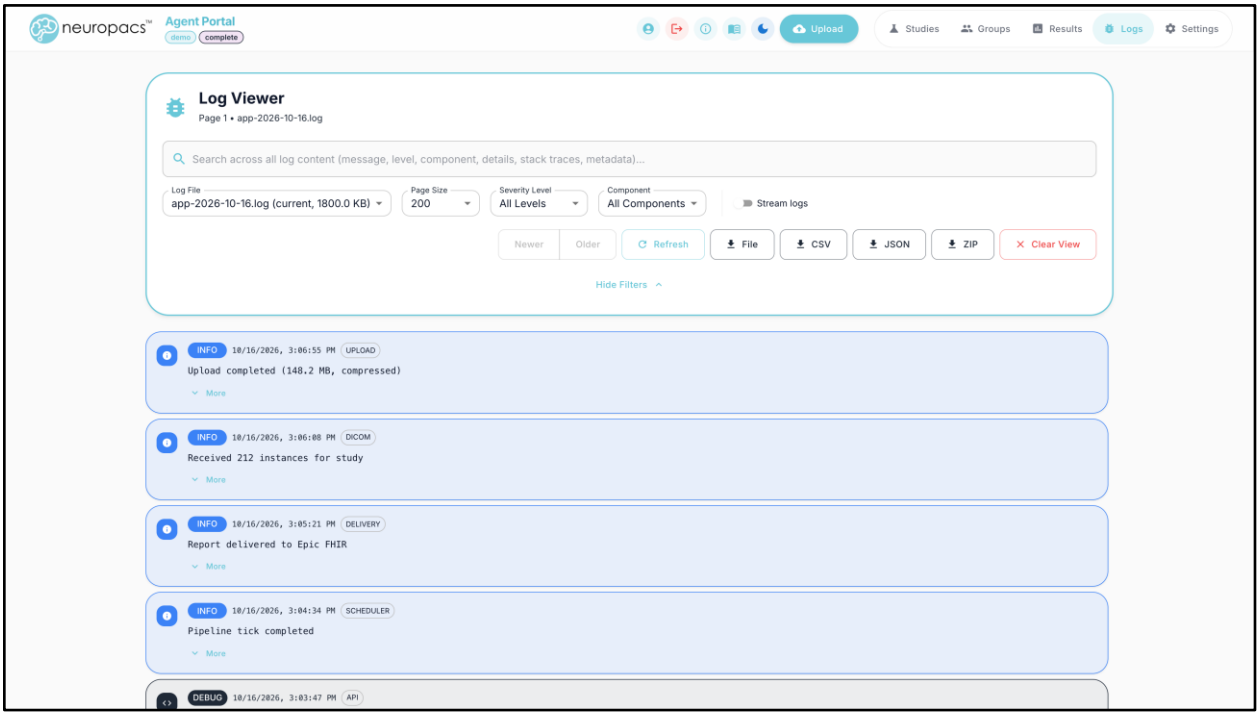

Figure 6. Log Viewer.

6.8.1 Searching and filtering

The search field searches the entire selected file on the server, including messages, severity, components, details, stack traces, and metadata. The clear control removes the search term.

Use the **Severity Level** and **Component** filters for additional filtering.

Control	Action
Log File	Choose a file. The latest is labeled “(current).” Files rotate daily in UTC, split at 100 MB, and are retained for 30 days.

Page Size	Show 100, 200 (default), or 500 entries per page.
Severity Level	Filter the loaded page by Error, Warning, Info, or Debug.
Component	Filter the loaded page by component, such as DICOM, QC, UPLOAD, DELIVERY, or SCHEDULER.
Stream logs	Reload the newest entries every second while page 1 is open. Streaming pauses when an entry is expanded.
Newer and Older	Move between pages. Page 1 contains the most recent entries.
Refresh	Reload the most recent page.
Clear View	Clear displayed entries without deleting log files.
Hide Filters and Show Filters	Collapse or expand the control panel.

6.8.2 Reading a log entry

Each entry shows its severity (INFO, WARN, ERROR, or DEBUG), timestamp in local time, component, and message. Select **More** to expand the details, stack trace, and full JSON record. The JSON record includes the study's Neuropacs UID and a correlation identifier for tracing an operation across components.

6.8.3 Exporting logs

Control	Download
File	Selected file in native .log format.
CSV	Selected file with Timestamp, Level, Component, Message, and Details columns.
JSON	Selected file in JSON format.
ZIP	All available application log files in one archive.

7 Configuring the Agent

Settings are organized into sections. Select a section heading to expand or collapse it. Administrators can change settings; users with the User role have read-only access.

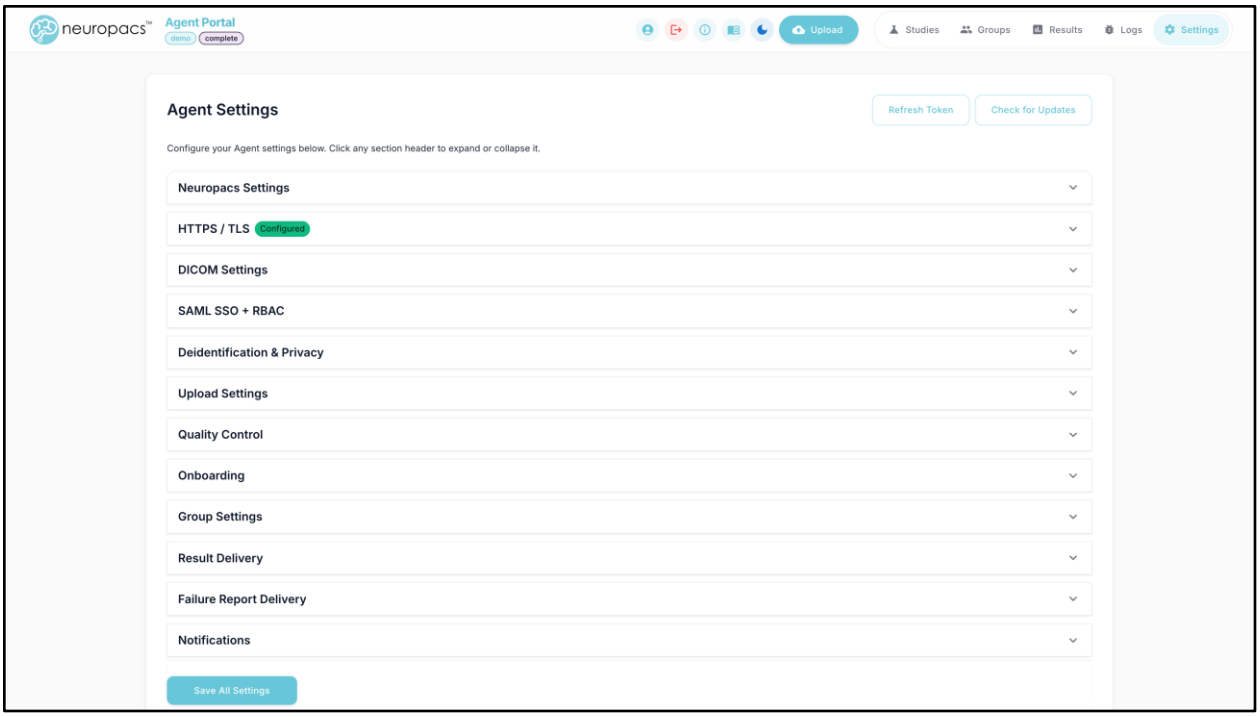

Figure 7. Settings page with sections collapsed.

7.1 Settings reference

Section	Purpose
7.3 Neuropacs Settings	Cloud API credentials and visibility of external orders.
7.4 HTTPS / TLS	Certificates for encrypted browser access.
7.5 DICOM Settings	DICOM listener, allowed senders, stabilization, products, and TLS.
7.6 SAML SSO + RBAC	Organizational sign-in and administrator assignment.
7.7 Deidentification & Privacy	De-identification summary, accession transmission, and heartbeat content.
7.8 Upload Settings	Cloud upload retries.
7.9 Quality Control	Enforcement of study eligibility checks.
7.10 Onboarding	Manual review during site validation.
7.11 Group Settings	Automatic grouping and group report delivery.
7.12 Result Delivery	Destinations, protocols, field rules, and delivery tests.
7.13 Failure Report Delivery	Delivery of reports explaining processing failures.

© 2026 Neuropacs. All rights reserved.

7.14 Notifications	Operational and resource alerts.
7.15 Log Forwarding	SIEM integration using syslog/TLS or Splunk HEC.
7.16 Local Preprocessing	Local container concurrency and resource limits.
7.17 Data Retention Policy	Automatic deletion of orders, records, and logs.
7.18 Agent Information	Registration, version, health, resources, and heartbeat.

7.2 Saving settings and updating software

Use the following page-level controls to save changes, refresh credentials, and install updates.

7.2.1 Save All Settings

Select **Save All Settings** to validate and save every settings section. Sections with validation errors expand and show an error count. Most changes take effect immediately. DICOM listener changes restart the listener automatically; changes requiring a container restart, such as the AE Title, display **Container Restart Required**.

Note: HTTPS and DICOM TLS certificate uploads are stored immediately and do not require **Save All Settings**. Restart the Agent before HTTPS uses a newly uploaded certificate.

7.2.2 Refresh Token

Select **Refresh Token** to discard the cached cloud access token and obtain a new one with the configured service user credentials. Use this after rotating credentials or when cloud requests fail with authentication errors.

7.2.3 Check for Updates

Select **Check for Updates** to compare the installed Agent and processing sidecar images with available releases. The portal displays **System Up to Date** or **Updates Available**.

- **Update Agent** installs the latest Agent release. Confirm the restart when prompted. The portal shows update progress and reconnects automatically when the update finishes.
- **Update Sidecar Docker Image(s)** replaces processing images without restarting the Agent. No local jobs may be queued or running when the update begins.

© 2026 Neuropacs. All rights reserved.

Caution: The Agent is temporarily unavailable during an Agent update. Studies being received may be lost. Schedule updates during a period of low activity.

7.3 Neuropacs Settings

Configure the API endpoint and service user credentials used for cloud order creation, uploads, status checks, and report retrieval. The Agent cannot process studies until these are configured.

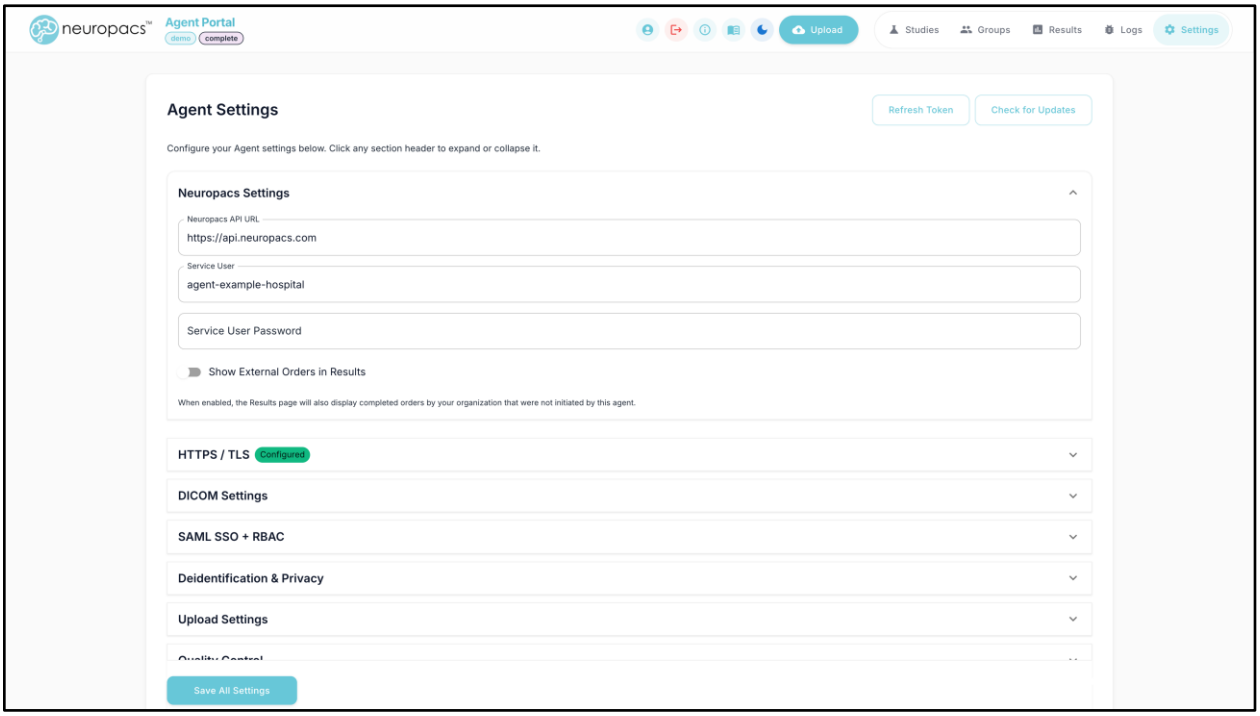

Figure 8. Neuropacs Settings.

Parameter	Description
Neuropacs API URL	Cloud API address. Required.
Service User	Agent service user. Required.
Service User Password	Agent service user password. The stored value is never shown. When configured, the field displays “Password is set. Enter a new value to rotate.”
Show External Orders in Results	Include completed orders submitted elsewhere within the organization. These appear with source **EXTERNAL**.

7.4 HTTPS and TLS

Install the server certificate used to encrypt browser access to the Agent Portal. These settings apply only to the web interface; DICOM TLS is configured separately in Section 7.5. A **Configured** indicator appears when a certificate and private key are installed.

Upload	Accepted file
TLS Certificate (required)	Server certificate in .crt or .pem format.
TLS Private Key (required)	Matching private key in .key or .pem format.
CA Certificate (optional)	Intermediate certificate or certificate-chain file.

The portal displays the certificate expiration date. **Restart the Agent** after uploading the certificate and private key to enable HTTPS with the new certificate.

7.5 DICOM Settings

Configure the Agent's DICOM identity, accepted senders, study stabilization, default products, and encryption. Coordinate these settings with the sending PACS or modality.

Parameter	Description
AE Title	Agent listener's Application Entity Title. Default: NEUROPACS_SCP. Changes require a container restart.
Allowed Calling AE Titles	Allowed sender AE Titles, one per line or comma-separated, with a maximum of 16 characters each. Leave blank to accept any calling AE Title.
DICOM Stabilization Period (seconds)	Required interval without new images before a study is considered complete. Default: 60. The sending association must also close.
Duplicate Studies	How the Agent should handle duplicate study transmission. Either disregard or process as new order.
Default Product(s)	Products applied to studies received through DICOM routing.

<table>
<tr><td>Custom Private DICOM Tags</td><td>Read custom processing configurations from a private DICOM attribute defined by Private Group (for example, 00B1), Private Element (for example, 1010), and optional Private Creator.

Available configurations:<table><tr><td>Product Selection</td><td>Read products from a private attribute. Comma-separated list. Example: <code>'AIDP,AIND-PD'.</code> If the attribute is absent, default product(s) apply.</td></tr></table></td></tr>
<tr><td>Enable DICOM TLS</td><td>Require TLS 1.2 or later for incoming associations. Upload a TLS Certificate and TLS Private Key. An optional CA Certificate enables mutual TLS with client certificate verification. Unencrypted associations are rejected when TLS is enabled.</td></tr>
</table>

7.6 Authentication Settings

Configure the preferred authentication settings. Supported methods include a service user password, SAML SSO, or Neuropacs accounts.

Method	Description
Neuropacs Account	Authenticate with Neuropacs credentials.
SAML SSO	Authenticate with a SAML SSO IdP.
Service Password (not recommended)	Password used by the service user for machine-to-machine authentication. Any user with this password inherits admin privileges.

7.6.1 SAML SSO Settings

Parameter	Description
Enable SAML SSO	Enable SAML authentication and the settings below.
Authentication Mode	**Local Password Only**, **SAML SSO + Local Password**, or **SAML SSO Only**. SSO-only mode disables password authentication and can be selected only from an SSO session after saving the SAML configuration.
IdP Entity ID	Identity provider issuer or entity ID.

© 2026 Neuropacs. All rights reserved.

IdP SSO URL	Identity provider's SAML 2.0 sign-in URL. Required.
IdP Certificate (PEM)	Identity provider signing certificate. Required.
IdP Metadata URL and Fetch	Retrieve metadata and populate IdP fields automatically.
SP Entity ID	Agent's service provider entity ID. Default: `neuropacs-agent.`
SP Base URL	Externally reachable HTTPS address of the Agent. Provide the displayed **ACS URL** and **SP Metadata URL** to the identity provider administrator.
NameID Format	Email Address (default), Unspecified, Persistent, or Transient.
Require signed assertions	Require signed SAML assertions. Enabled by default.
Sign authentication requests	**Automatic**, **Always**, or **Never**. Most identity providers accept unsigned requests.
Admin Group	Group name whose members receive the Administrator role.
User Group	Group name whose members receive standard user access. If this field is not populated, all non-admin users receive standard user access.

Note: A host administrator can restore password access by running `docker-entrypoint.sh allow-password-login` inside the Agent container.

7.7 Deidentification and privacy

All imaging is de-identified before processing or transmission.

Parameter	Description
Send Accession Number to neuropacs™ Cloud	Disabled by default. Enable only when organizational policy permits accession transmission and your intended workflow requires coordination of this value through the neuropacs™ Cloud. A privacy notice appears when enabled.

Include System Metrics (CPU, Memory, Disk)	Include host resource utilization in the heartbeat.
Include Order Statistics	Include counts of order volume and status..
Include Health Status	Include application and database health.

7.8 Quality Control

Configure which eligibility checks can prevent processing.

Parameter	Description
Quality Control Enforced	Enabled by default. When disabled, eligibility verification is bypassed for all studies. Bypassed checks are identified in the report and counted as passed.
Enforcement Options	Enable **Acquisition Parameters** (IFU acquisition spec), **Required Metadata**, and **IFU Labeling** (study & series description) as needed. Each category is evaluated and reported, but causes failure only when enforced.

7.9 Group Settings

Configure automatic assignments of incoming DICOM studies and delivery of combined group reports. Reports can be sent when a group completes, on a schedule, or both.

Parameter	Description
Auto-Assign DICOM Uploads to Group and Auto-Assign Group	Assign incoming DICOM studies to the selected group.
Auto-Send Report When Group Completes	Send the group report when every study has reached a final state.
Send Group Reports on a Scheduled Interval	Set **Days of Week** and **Time of Day** in UTC.

© 2026 Neuropacs. All rights reserved.

7.10 Result Delivery

Configure up to **five** destinations for automatic report delivery. Each report is sent to every configured delivery destination. Available protocols are **DICOM**, **HL7v2**, **FHIR**, **REST API/Webhook**, and **Email**. **None (Download Only)** leaves reports available for retrieval through the portal.

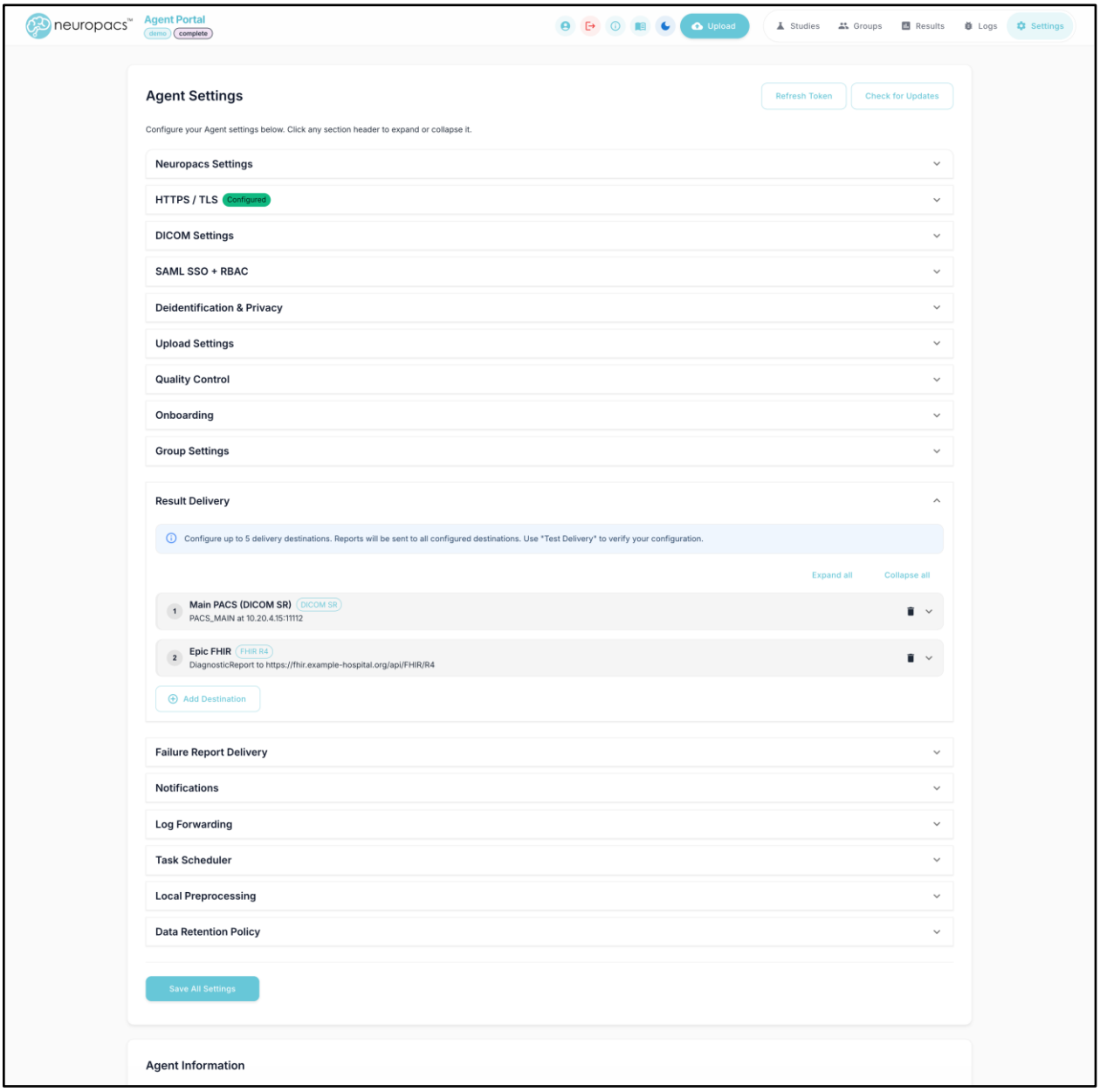

Figure 9. Result Delivery with two destinations configured.

7.10.1 Manage destinations

Select **Add Destination** to create a destination. Each card shows its number, Label, protocol, and target summary. Select a card to expand it, or use **Expand all** and **Collapse all**.

© 2026 Neuropacs. All rights reserved.

Select **Remove destination** to remove a card. The removal is saved when you select **Save All Settings**.

7.10.2 DICOM Encapsulated PDF

Configure **Destination AE Title**, **Destination Host**, and **Destination DICOM Port**. The Agent stores the report as a DICOM Encapsulated PDF object.

Note: The hostname `host.docker.internal` refers to the machine hosting the Agent where supported by the deployment. If the destination is outside of the host network, use the appropriate address here.

7.10.3 DICOM Structured Report

Configure the same connection fields as DICOM Encapsulated PDF. Set **Document Title** and choose whether to **Include Order Information**, **Include Analysis Information**, **Include Results**, and **Include Disclaimer**.

7.10.4 HL7v2 ORU over MLLP

The Agent sends *ORU^R01* messages. Configure the following groups of parameters.

Parameter group	Options
Connection	Destination host and MLLP port.
Message header (MSH)	Sending and receiving application and facility; HL7 version (default 2.5.1); processing ID (P, T, or D); character set; message control ID prefix; and optional ORC segment.
EHR record affiliation	Accession correlation, assigning authority, accession DICOM attribute, and whether an accession number is required.
Report format	PDF, text, structured OBX, PDF with structured OBX, JSON, or XML.
Transport	Connect and read timeouts, acknowledgement requirement, and accepted acknowledgement codes.
Security	Optional TLS or mutual TLS, hostname verification, and CA certificate, client certificate, and client key uploads.

© 2026 Neuropacs. All rights reserved.

7.10.5 HL7 FHIR R4

Set **FHIR Base URL** and **Resource Type** to *DiagnosticReport* or *DocumentReference*.

Parameter group	Options
Authentication	None, Basic, Bearer, OAuth 2.0 client credentials with client secret, or OAuth 2.0 with private key JWT, such as Epic backend services.
Patient and order matching	Identifier systems and optional server-side patient and order lookup.
Report content	Optional structured results as Observation resources.

FHIR signing keys

For private key JWT authentication, select **Generate RSA key (RS384)**, **Generate EC key (ES384)**, or **Import private key (PEM)**. The private key remains on the Agent.

Register the displayed **JWK Set URL** with the EHR so it can retrieve the public key. For Epic, configure a separate destination for each environment; key changes may take up to 12 hours to propagate.

The public key (`.pem`), certificate (`.crt`), and JWK Set are available to download. After rotation, the previous key remains published until you select **Stop publishing**.

7.10.6 REST API or webhook

Configure the A**PI base URL**, **path**, **method** (POST or PUT), **report format** (PDF, JSON, TXT, PNG, or XML), **JSON headers**, **JSON body template**, and **authentication** (None, Basic, or Bearer Token).

Supported placeholders are `{order_id}`, `{product_id}`, `{accession_number}`, `{report_base64}`, and `{report_type}`.

7.10.7 Email

Configure **recipients**, **report format**, and **subject** and **body templates**. Supported placeholders are `{order_id}`, `{product_id}`, and `{accession_number}`.

© 2026 Neuropacs. All rights reserved.

7.10.8 Field rules

For DICOM, HL7v2, and FHIR, field rules modify the outgoing message after the Agent constructs it. Use them to meet receiving-system requirements, such as setting PID-7 from the original DICOM header or removing a segment.

7.10.9 Test a destination

Control	Behavior
Test Delivery	Uses the current, unsaved settings. For DICOM, performs C-ECHO and stores a report for `TEST^PATIENT`, marked **"`NEUROPACS TEST – NOT A REAL RESULT.`"** For FHIR, retrieves the capability statement and previews the resource without storing data.
Send Test ORU	Sends an HL7v2 ORU^R01 test message with processing ID T and displays the transmitted message.
Send Test Report	Stores a clearly identified test report for `TEST^PATIENT` on the FHIR server.

Caution: Test reports sent to production PACS, EHR, or FHIR systems are visible to clinical users. Coordinate testing with the receiving system administrator.

7.11 Failure Report Delivery

Failure reports explain why a study did not complete processing. Configure their delivery independently of analysis reports so responsible staff can address the cause or resubmit the study.

Parameter	Description
Delivery Method	None (Download Only), Email, or REST API/Webhook.
Report Format	PDF, JSON, TXT, PNG, or XML.
Email and REST settings	As described in Section 7.12. Both support `{order_id}` and `{accession_number}`. REST body templates also support `{report_base64}` and `{report_type}.`
Test Delivery	Send a test delivery.

7.12 Notifications

Configure alerts for study processing, report delivery, group reports, local processing, and host resources.

© 2026 Neuropacs. All rights reserved.

Parameter	Description
Notification Protocol	None, Email with recipient addresses, or REST API/Webhook with a destination URL.
Thresholds & Cooldown	Default thresholds: CPU 90%, memory 90%, swap 80%, and disk 95%. The **Cooldown** defaults to 60 minutes and suppresses repeat alerts for the same condition.
Test Notification	Save all settings and send a test notification.

The following table lists default event settings. Local processing events appear only when local processing is enabled.

Category	Event
Dataset and upload	New Dataset Received
Dataset and upload	Quality Control Passed
Dataset and upload	Quality Control Failed
Dataset and upload	Upload Failed
Dataset and upload	Upload Succeeded
Report delivery	Report Delivered Successfully
Report delivery	Report Delivery Failed
Report delivery	Processing Failed (Failure Report Available)
Group reports	Group Processing Completed
Group reports	Group Report Sent Successfully
Group reports	Group Report Send Failed
Local processing	Local Processing Completed
Local processing	Local Processing Failed
System metrics	High CPU Usage
System metrics	High Memory Usage
System metrics	High Swap Usage

© 2026 Neuropacs. All rights reserved.

System metrics	Low Disk Space
System metrics	System Metric Recovered

7.13 Log Forwarding

Forward Agent logs to a security information and event management (SIEM) system as records are written. Select either records at or above a severity level, or security audit events and errors only. If the destination is unavailable, records are retained and forwarded when connectivity returns. An **On** indicator appears in the heading when forwarding is enabled.

Parameter	Description
Forward logs	Enable or disable forwarding.
Protocol	**Syslog over TLS (RFC 5425)**, default port 6514, or **Splunk HTTP Event Collector (HEC)**, default port 8088. HEC requires an **HEC Token** and accepts an optional Index.
Host and Port	Destination address.
Verify the server certificate	Validate the destination certificate. Disable only for testing.
CA Certificate (Optional)	Internal certificate authority certificate in PEM format. If blank, public certificate authorities are trusted.
Events	**All logs at or above a level** (Debug, Info, Warnings, or Errors), or **Security audit events and errors only**. Sign-in, sign-out, and lockout events are always forwarded when forwarding is enabled.
Send Test Event	Send a test using the current values.
Status (saved settings)	Show forwarding, connecting, unable to reach the destination with retained backlog, or disabled.

Note: Forwarded records may include study identifiers and patient age and sex.

7.14 Local Preprocessing

This section appears only when local processing is enabled. It sets concurrency and resource limits for preprocessing containers on the Agent host. Otherwise, preprocessing runs in the neuropacs™ Cloud.

Parameter	Description
Enforce CPU and Memory Limits	Apply the per-container limits below. Enabled by default.
Maximum Concurrent Containers	Simultaneous preprocessing containers. Range: 1-10. Default: 2.
CPU Cores per Container	Per-container CPU limit. Default: 2 cores.
Memory Limit per Container (GB)	Per-container memory limit. Default: 4 GB.

7.15 Data Retention Policy

Configure automatic deletion of older orders, operational records, and log files. For each setting, 0 is the default and disables deletion under that retention setting.

Parameter	Data deleted
Order Retention Period (days)	Final-state studies whose last update exceeds the period, including their results, failure reports, delivery records, processing jobs, and imaging files. Maximum: 3650 days.
Database Record Retention Period (days)	Completed processing jobs, notification records, settled delivery records, and cached authentication tokens. Maximum: 3650 days.
Log File Retention Period (days)	Log files older than the period. Maximum: 365 days.

Caution: Retention-based deletion is permanent. Confirm that the periods meet organizational record-keeping requirements before enabling deletion.

7.16 Advanced

Setting	Description
Onboarding Mode	Onboarding Mode enrolls this agent in the Neuropacs manual review system while your site is being validated. Quality control findings and normalization output are sent to Neuropacs reviewers, and each

	study waits for a reviewer verdict before it finishes processing. Turn this off once onboarding is complete.
Automatic Updates	Choose whether to allow automatic updates of Agent application software and sidecar Docker containers. Alternatively, only allow security patches to be installed automatically, while application and Docker container updates are manual.

7.17 Agent Information

This read-only panel appears below the configuration sections. Use it when contacting neuropacs technical support.

Field	Description
Agent ID	Unique Agent identifier.
Institution Name	Registered institution.
Status	Registration state, such as active.
Health Status	healthy, degraded, or unhealthy.
Version	Installed Agent version.
Build	complete or clinical.
Runtime	Container runtime.
Available Cores and Available Memory	Host resources available to the Agent.
Local Processing	Enabled or Disabled.
Registered At	Date and time of cloud registration.
Last Heartbeat	Date and time of the most recent cloud heartbeat.

8 Support

For additional information regarding the Neuropacs Agent or this user guide, please contact our support team at **support@neuropacs.com**.

For more information, see the technical documentation website.

9 Document Version History

Date Updated	Version	Notes
12/01/2025	v1.0.0	Initial release
03/02/2026	v1.0.1	Added “Quality Control” section to Settings.
03/12/2026	v1.0.2	Added Docker standalone installation method and Swagger page
04/01/2026	v1.0.3	Added Windows and virtualization support
04/08/2026	v1.0.4	Added builds for clinical use
04/14/2026	v1.0.5	Deprecate Linux script-based install
04/16/2026	v1.0.6	Added de-identification information and updated screenshots, UI auth, and password reset
05/12/2026	v1.0.7	Added SSO SAML authentication and configurable TLS certificates + RBAC
06/03/2026	v1.0.8	Configurable system-metric notifications, stronger PHI Shield protections across deidentification, cloud metadata sync, pagination/search performance, external result grouping, stabilization settings
07/25/2026	v1.0.9	Enhanced IFU quality control, HL7v2 integration capability, removed ‘Agent Application Releases” section.
08/14/2026	v1.1.0	Added Docker-based quality control and “Onboarding” mode.
10/19/2026	v1.2.0	Replaced installation instructions, updated screenshots, updated de-identification, and PHI handling documentation.
11/05/2026	V1.3.0	Updated settings, added new screenshots, and added new security features.

© 2026 Neuropacs. All rights reserved.