

RED interchange API - Setup in RED

In order to use the RED interchange API you will need an account in RED. Please contact us for an offer and help.

If you have a RED account open RED in your web browser <https://redclient.redmedical.de/redclient/index.html> and log in using your user credentials. If you log in on a machine for the first time you will be prompted to install **RED commander**. RED commander is a local application enabling RED to access the local resources and to execute the FHIR server. Download and install the RED commander using the installation wizard. [RED commander - Technische Informationen](#) | [RED commander - Installation](#)

The FHIR interface is disabled by default. If it is to be used the FHIR server must be enabled for each machine. Log in as an administrator user and navigate to management of terminals (search for **#b arbeits** and select **Arbeitsplätze**. Select your current terminal (marked by **ICH**) and navigate down to the **Schnittstelle FHIR** section.

The screenshot shows the 'Arbeitsplätze' management page in the RED medical system. The page is organized into sections for different types of hardware and software interfaces. A circular callout highlights the 'Schnittstelle FHIR' section, which is currently active. The 'Aktiv' status is indicated by a green checkmark. The interface also shows options to add, edit, or delete FHIR interfaces. The 'Arbeitsplätze' section is currently filtered to show the 'Alex Macbook | ICH' terminal.

RED shows a list of all FHIR interfaces defined for this terminal. A FHIR interface may be active or paused. Active FHIR interfaces are marked by **Aktiv**. Click on **FHIR-Schnittstelle hinzufügen** to create a new FHIR interface or **FHIR-Schnittstelle bearbeiten** to modify an existing definition.

The screenshot shows the 'Arbeitsplätze' configuration page in the RED medical system. The page title is 'FHIR-Schnittstelle'. It contains several configuration options:

- Schnittstelle verwenden:** Radio buttons for 'Ja' (selected) and 'Nein'.
- Bezeichnung:** Text input field containing 'FHIR-Schnittstelle'.
- Typ der Schnittstelle:** Three radio buttons: 'Archiv- und Wechselschnittstelle', 'Anbindung Arzneimittelndatenbank', and 'FHIR-Schnittstelle' (selected).
- Sichere Verbindung:** Radio buttons for 'Ja' (selected) and 'Nein'.
- Anwendungsadresse:** Text input field containing '/Applications/RED awst.app'.
- Erweiterte Optionen:** Empty text input field.

At the bottom right, there are two buttons: 'SPEICHERN' (orange) and 'ABBRECHEN' (light blue).

Schnittstelle verwenden: allows to activate and deactivate the interface (e.g. for testing purposes)

Bezeichnung: name of this interface

Typ der Schnittstelle: for RED interchange API select the option "FHIR-Schnittstelle"

Sichere Verbindung: if set to "Nein" a http-connection is used, if set to "Ja", https is used

Anwendungsadresse: path to the application that is to be opened by RED

Erweiterte Optionen: options string to send to the application when opened (not required)

Save the setting with the orange **Speichern** button. The interface is set up and FHIR server will be started automatically during the next login.

For testing purposes on a local environment the interface can be reached at: `http://localhost:29221/{tenantID}`. The tenantID is the internal ID of the RED instance. You will find your tenant ID by clicking on the user name (next to the house icon) in the top panel. The tenant ID is shown as **ID**.

The screenshot shows the main user interface of the RED medical system. The top navigation bar includes the RED medical logo, a search bar, and the user's name 'Dr. med. Annie ... (362364901)'. A 'Administration' button is circled in red. Below the navigation bar, there are several panels:

- MEINE LISTE:** Includes links for 'Meine Liste ändern', 'Passwort ändern', 'Patientenaufnahme', and 'Versichertenkarte einlesen'.
- TAGESLISTE 24.06.2022:** Shows 'Patienten: 1 | gesetzliche Episoden 1' and 'TK-eAU-Müller, Peter | geb. 01.01.1992'.
- KENNZAHLEN:** Shows 'aktualisiert 24.06.2022 08:19', 'Anzahl Episoden: Gesetzlich 170', and 'Zeitprofile 11.85 Stunden | Leistung: Tagesprofil 8.67 | Quartalsprofil 3.18'.

A settings modal is open on the right side, showing the user's name 'alexanderwilms_7788' circled in red. The modal also shows 'Benutzer' and 'Versionen' tabs.