Portal Launch

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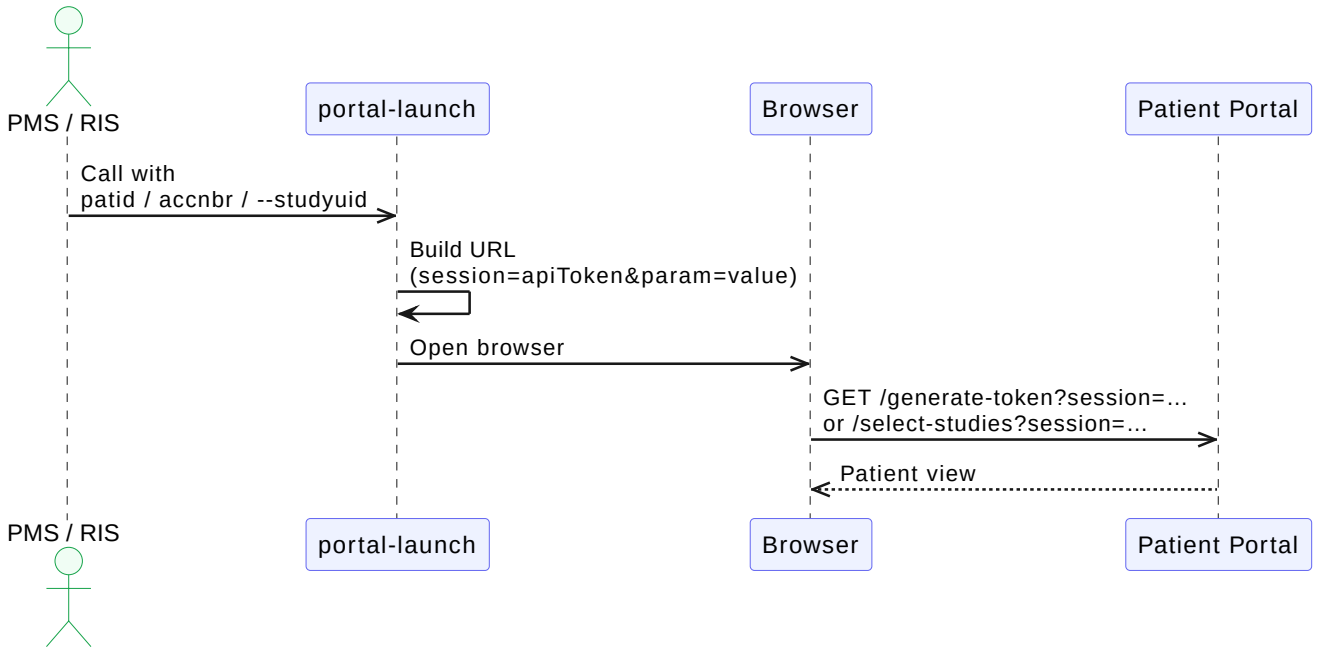
`portal-launch` is a Windows command-line application that opens the patient portal directly from practice management software (PMS), a RIS, or any other work application in the system's default browser (or a configured browser).

The application builds the correct portal URL including a session token and passes it to the browser — the user lands on the right page without a separate login step.

How It Works



Invocation

```
portal-launch.exe --patid 3209648408
portal-launch.exe --accnbr 186B7928
portal-launch.exe --studyuid 2.25.186760260011452398476108131496539831798
```

Depending on the parameter provided, the portal opens:

Parameter	Portal route	Behaviour
`--patid`	`/select-studies`	Shows all studies for the patient to choose from
`--accnbr`	`/generate-token`	Opens the study for the given accession number directly
`--studyuid`	`/generate-token`	Opens the study for the given Study UID directly

All Parameters

Parameter	Alias	Description
`--patid <id>`	`-p`	Patient ID (external ID)
`--accnbr <nbr>`	`-a`	Accession number (DICOM AccessionNumber)
`--studyuid <uid>`	`-s`	DICOM Study UID
`--config <path>`	`-c`	Path to `config.json` (default: `config\config.json` next to the `.exe`)
`--help`	`-h`	Display help text and exit

At least one of `--patid`, `--accnbr`, or `--studyuid` must be provided. The application exits with code `0` on success and `1` on error.

Prerequisites

- Windows 10 or later
- Network access to the patient portal (HTTPS, standard port 443)
- Customer API token — generated in the portal admin under *Settings → Integration*
- A browser installed (the system default browser is used unless `browser.executable` is configured)

Installation

Extract the ZIP package into a directory of your choice, e.g. `C:\RadioWeb-Launch\`. The resulting directory structure:

```
C:\RadioWeb-Launch\
 ├──── portal-launch.exe
```

```
└──── config\
    └──── config.json.example
```

Creating the Configuration

1. Copy `config\config.json.example` to `config\config.json`.
2. Open `config\config.json` in a text editor.
3. Fill in at least the required fields:

```
{
  "portalUrl": "https://portal.your-practice.com",  ①
  "apiToken":  "XXXX-XXXX-XXXX"                     ②
}
```

① URL of the patient portal (no trailing slash)

② Integration token — generated by the portal administrator under *Settings → Integration*

Configuring the Browser (optional)

Without a `browser` configuration, the operating system's default browser is used. To open a specific browser at a defined window size:

```
{
  "portalUrl": "https://portal.your-practice.com",
  "apiToken":  "XXXX-XXXX-XXXX",

  "browser": {
    "executable": "C:\\Program Files\\Google\\Chrome\\Application\\chrome.exe",  ①
    "width":       1280,                                                          ②
    "height":      900                                                            ②
  }
}
```

① Absolute path to the browser executable

② Window size on open (only applied when `executable` is set)

Integration with PMS / RIS

`portal-launch.exe` can be called directly as an external program or macro from practice management software. Pass the patient ID or accession number as a parameter.

Example call from a RIS macro (Windows):

```
"C:\RadioWeb-Launch\portal-launch.exe" --accnbr %ACCESSION_NUMBER%
```

The exact syntax for calling external programs depends on your PMS/RIS software. Consult the documentation of your practice management or RIS application.

Configuration Reference

Field	Required	Default	Description
`portalUrl`	yes	–	URL of the patient portal. No trailing slash.
`apiToken`	no	–	Integration token. Passed as the `session` parameter in the URL. Without a token the user must log in manually.
`browser.executable`	no	–	Absolute path to a browser executable (e.g. Chrome, Edge). Without this field, `start` (system default browser) is used.
`browser.width`	no	–	Window width in pixels. Only applied when `browser.executable` is set.
`browser.height`	no	–	Window height in pixels. Only applied when `browser.executable` is set.

Error Handling

The application outputs error messages to stderr and exits with code `1`.

Error message	Cause / Solution
`ERROR: At least one of --studyuid, --patid, or --accnbr is required.`	No lookup parameter provided. Pass at least one of the three parameters.
`ERROR: Config file not found: …`	`config\config.json` is missing. Create it from `config.json.example` and fill in the required fields.
`ERROR: config/config.json must contain "portalUrl".`	Required field `portalUrl` is missing from the configuration.
`ERROR: Failed to parse …`	`config.json` contains invalid JSON. Fix the syntax error.
`ERROR: Failed to open browser: …`	The browser could not be started. Check the `browser.executable` path or remove the field to use the system default browser.