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# NP04 DAQ Configuration Editor

# Preliminaries

This page provides instructions for viewing and editing configuration parameters of the artdaq system running on np04-srv-010.cern.ch. Artdaq configurations are stored in the online configuration database, which is accessible from the command line and web interfaces. This page describes how to view and edit artdaq configurations using the web interface, also known as the web config editor.

## Network Access

The web config editor is a nodejs application that is running on the localhost:8880 of np04-srv-010.cern.ch, and hence it is not directly accessible from the Internet. To access the web config editor users can either launch a web browser directly on np04-srv-010.cern.ch or port-forward a connection over ssh and launch a web browser locally on their's laptop or desktop. The latter is a preferred option that requires adding the following snippet to the user's local ~/.ssh/config file and ssh-ing into cern-pddaq. The ssh session creates the needed port-forwarding and users can access the web config editor from the localhost.

Instructions for configuring the ssh port-forwarding.

```
ssh -L <your lxplus user account> cern-pddaq
```

URL: <http://localhost:8880/db/client.html> 

Note: you will be prompted twice to enter a password, the first password to enter is the password for your personal user account on lxplus, and the second password is the password for the pduser user account on np04-srv-010.cern.ch.

# Instructions

## ARTDAQ Configuration Editor

### Information

Welcome to the ARTDAQ Configuration Editor  
Please Select a named configuration from the list below. It will load in additional top-level tabs.

If you have a number field which you wish to convert to a string (general-purpose) field, leave the field blank, select different field, then go back.

### ⊖ Select Configuration

Configuration Name Filter

Configuration List

johnstest300

Load Selected Configuration

Reload Configurations

### + Save or Discard Changes

### + Configuration Information

All Changes Since  
Last Save

Entities in  
Configuration

Entity Name	Collection Name	Version	Ed
notprovided	milestone_week_1.rce_expert_run_options.fcl	ver001	Ed
notprovided	milestone_week_1.rce01_hw_cfg.fcl	ver001	Ed

**Step 1:** Select a configuration from the drop-down list.

**Step 2:** Click on "Load Selected Configuration"

**Step 3:** Choose a configuration file and click the "Edit" button.

**File Information**

File Version:

Collection Name:

**Entities**

Name	Date Assigned
notprovided	Thu Feb 23 2017 01:16:10 GMT-0600 (CST)

**Assigned Configurations**

Name	Date Assigned
milestoneweekdb1	Thu Feb 23 2017 01:16:10 GMT-0600 (CST)

**File Contents**

Name	Value	User Comment
rce_client...	500000	
rce_xml_...	config/defaults.xml	# Configuration file
rce_daq_...	Trigger	# Can be one of Burst, Scope, Trigger
rce_feb_e...	true	
receiver_...	0	
receiver_t...	10000	
reporting...	100	
reporting...	10	
raw_buffe...	16000000	
raw_buffe...	100	
use_frag...	true	

**Step 4:** Click on a value inside the "Value" or the "User Comment" and change it. Modified values become yellow.

Information **milestone\_week\_1.rce\_expert\_run\_options.fcl** milestone\_week\_...

**notprovided**

**File Information**

**Step 5:** Choose other configuration files by clicking on a tab with a file name above the scrollbar. Multiple files can be edited in the same session.

**ARTDAQ Configuration Editor**

There are pending unsaved changes. Please save or discard before closing the editor!

Information milestone week 1.rce expert run options.fcl milestone week 1.rce01 hw cfg.fcl milestone wee

Welcome to the ARTDAQ Configuration Editor  
Please Select a named configuration from the list below. It will load in additional top-level tabs.

If you have a number field which you wish to convert to a string (general-purpose) field, leave the field blank, select a different field, then go back.

**Step 6:** When editing is finished, select the "Information" tab and click on the "Save Configuration" or "Discard Configuration Changes" button. *Note: The web interface automatically increments the last digits in the configuration name while saving it into the database.*

+ Select Configuration

- Save or Discard Changes

Configuration Name

Save Configuration

Discard Configuration Changes

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