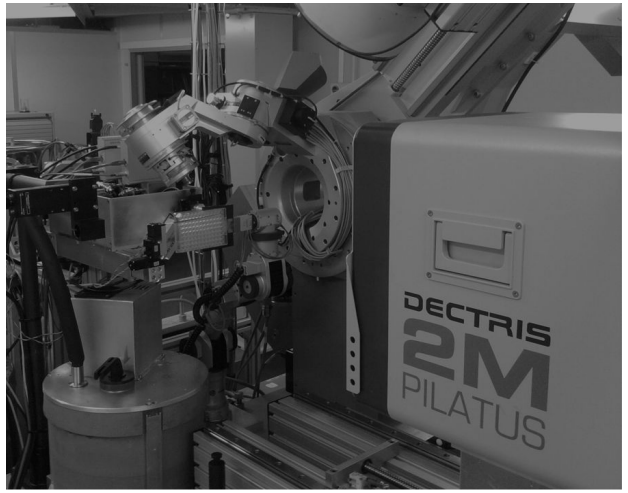
Elettra Sincrotrone Trieste

MXCuBE site report

Elettra Sincrotrone Trieste

Dark period

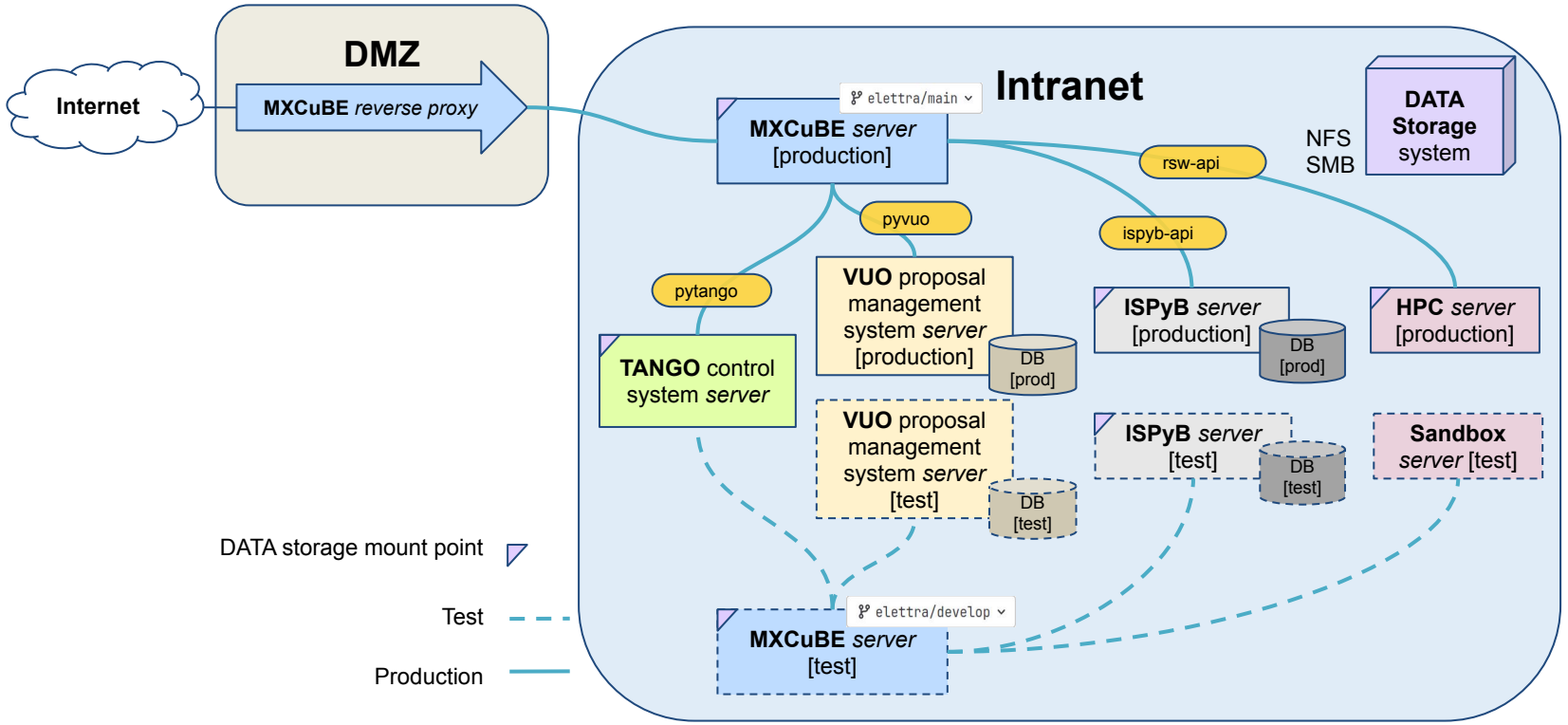
XRD1 => **XRD 1**



XRD2 => **uXRD**

MXCuBE status

- Deployment at glance:
  - Rocky Linux 9 (Red Hat):
  - Python 3.10.12
  - Virtual environment
  - poetry 2.0.1
  - MXCuBE Web version 4
  - 2 HPC nodes to execute processing pipelines
  - Access through a reverse proxy
- Development:
  - (XRD2) Upgrade from MXCuBE 3 to MXCuBE 4
  - Old and new branches PR



Pull Requests (1)

Mxcubecore branches

ao-feature-add_detector_modes_to_acq_params
ao-feature-add_elettra_hwo
ao-feature-add_space_groups_to_acq_params
ao-feature-custom_centring_name
ao-feature-diffr_is_moving
ao-feature-hide_processing_task_section
~~ao-feature-hwo_allow_setter_decorator~~
ao-feature-hwo_logging_decorator PR
ao-feature-lims_model
ao-feature-make_detector_modes_configurable
ao-feature-n_clicks_centring
ao-feature-opt_phase_ctrl
~~ao-fix-action_abort~~
ao-fix-avoid_negative_clicks
ao-fix-common_model PR
~~ao-fix-crash_manual_samp_after_clear~~
ao-fix-make_ulog_consistent_with_ui PR
ao-fix-move_doc_folder
ao-fix-poller_old_value_reset
ao-fix-sc_set_loaded_sample
~~ao-fix-stop_stream_err_handling~~
ao-fix-tango_poll_restart_after_err
ao-fix-tango_poller_exceptions_handling PR
~~ao-fix-user_lvl_log~~

Mxcubeweb branches

ao-feature-alert_if_no_sessions
ao-feature-avoid_negative_clicks PR
ao-feature-avoid_user_with_no_sessions
ao-feature-change_default_centring_method
ao-feature-clean_user_db_on_startup
ao-feature-conf_mxcube_pid
ao-feature-custom_centring_name
ao-feature-disable_add_tasks_if_no_samp
ao-feature-disable_auto_centring_option_dynamically
ao-feature-disable_automount_option_dynamically
ao-feature-disable_get_samp_frm_samp_chng
ao-feature-filtr_proposals_with_no_sessions
ao-feature-hide_processing_task_section
ao-feature-invert_sw_bg_color PR
ao-feature-keep_video_size_after_refresh
ao-feature-local_host_by_domain
ao-feature-make_detector_modes_configurable
ao-feature-manual_samp_ui_config
ao-feature-n_clicks_centring
ao-feature-n_clicks_centring_old
ao-feature-opt_samp_chng
ao-feature-optional_uiprops
ao-feature-phase_ctrl_and_beam_size_conf
ao-feature-show_sc_info
ao-feature-synch_manual_samp_with_lims

ao-feature-ui_custom_motors
~~ao-feature-xrf_spectrum_opt~~
ao-fix-apply_mesh_parameters
ao-fix-beamline_action_abort
ao-fix-check_session_existence
ao-fix-code_clean_up
ao-fix-compare_osc_in_data_collection
ao-fix-configmodel_stream_dflt
ao-fix-dc_duplication_on_sample_mounting
ao-fix-dc_subdir_validation
ao-fix-detector_mode_list
ao-fix-get_global_state
ao-fix-indent_helical_beamline_conf
ao-fix-list_only_available_tasks_in_samplesgrid
ao-fix-log_frontend_to_backend
ao-fix-mov_state_aperture
ao-fix-revert_defusedxml
ao-fix-resize_video_stream
ao-fix-sample_cntrls_centered
ao-fix-scan_all_containers
ao-fix-sequential_synch_with_lims
ao-fix-send_command_endpoint
ao-fix-task_start_osc_compare PR
ao-fix-typo_sampleview
ao-fix-typos_correction

Pull Requests (2)

Mxcubecore branches

~~ao-feature-add_detector_modes_to_acq_params~~
ao-feature-add_elettra_hwo
~~ao-feature-add_space_groups_to_acq_params~~
ao-feature-custom_centring_name PR
~~ao-feature-diffr_is_moving~~
ao-feature-hide_processing_task_section PR
~~ao-feature-hwo_allow_setter_decorator~~
ao-feature-hwo_logging_decorator PR
ao-feature-lims_model
ao-feature-make_detector_modes_configurable PR
ao-feature-n_clicks_centring PR
ao-feature-opt_phase_ctrl PR
~~ao-fix-action_abort~~
ao-fix-avoid_negative_clicks PR
ao-fix-common_model PR
~~ao-fix-crash_manual_samp_after_clear~~
ao-fix-make_ulog_consistent_with_ui PR
ao-fix-move_doc_folder PR
~~ao-fix-poller_old_value_reset~~
ao-fix-sc_set_loaded_sample PR
~~ao-fix-stop_stream_err_handling~~
~~ao-fix-tango_poll_restart_after_err~~
ao-fix-tango_poller_exceptions_handling PR
~~ao-fix-user_lvl_log~~

Mxcubeweb branches

~~ao-feature-alert_if_no_sessions~~
ao-feature-avoid_negative_clicks PR
~~ao-feature-avoid_user_with_no_sessions~~
ao-feature-change_default_centring_method
~~ao-feature-clean_user_db_on_startup~~
~~ao-feature-conf_mxcube_pid~~
~~ao-feature-custom_centring_name~~
ao-feature-disable_add_tasks_if_no_samp PR
ao-feature-disable_auto_centring_option_dynamically
ao-feature-disable_automount_option_dynamically
ao-feature-disable_get_samp_frm_samp_chng
ao-feature-filtr_proposals_with_no_sessions
ao-feature-hide_processing_task_section PR
ao-feature-invert_sw_bg_color PR
~~ao-feature-keep_video_size_after_refresh~~
ao-feature-local_host_by_domain PR
ao-feature-make_detector_modes_configurable PR
ao-feature-manual_samp_ui_config
ao-feature-n_clicks_centring PR
~~ao-feature-n_clicks_centring_old~~
ao-feature-opt_samp_chng
ao-feature-optional_uiprops
ao-feature-phase_ctrl_and_beam_size_conf
ao-feature-show_sc_info PR
ao-feature-synch_manual_samp_with_lims

~~ao-feature-ui_custom_motors~~
~~ao-feature-xrf_spectrum_opt~~
~~ao-fix-apply_mesh_parameters~~
ao-fix-beamline_action_abort
ao-fix-check_session_existence
ao-fix-code_clean_up
~~ao-fix-compare_osc_in_data_collection~~
ao-fix-configmodel_stream_dflt
~~ao-fix-dc_duplication_on_sample_mounting~~
ao-fix-dc_subdir_validation
ao-fix-detector_mode_list PR
ao-fix-get_global_state PR
ao-fix-indent_helical_beamline_conf PR
ao-fix-list_only_available_tasks_in_samplesgrid PR
ao-fix-log_frontend_to_backend
~~ao-fix-mov_state_aperture~~
ao-fix-revert_defusedxml PR
~~ao-fix-resize_video_stream~~
~~ao-fix-sample_cntrls_centered~~
ao-fix-scan_all_containers PR
ao-fix-sequential_synch_with_lims
ao-fix-send_command_endpoint PR
ao-fix-task_start_osc_compare PR
ao-fix-typo_sampleview PR
ao-fix-typos_correction

Plans for the next six months

- PRs for missing branches
- Upgrade MXCuBE to the latest version
- Migrate configuration files from XML to YAML

www.elettra.eu