

Pro/ENGINEER Wildfire - New Config. Options

This is a list of config. options that are new to Wildfire. The list is the result of a comparison of all 2001 config. options, and all Wildfire config. options.

Note: From time to time, PTC creates options that are called '**HIDDEN OPTIONS**'. These hidden options are primarily used for testing and development purposes only, and may not necessarily exist in the final release. The reason why these options are hidden and not public is that they have not gone through the thorough quality checking process and they may lead to potential problems. Utilizing these options is not supported and the desired results might not produce a favorable outcome.

Name	Description
activate_sketch_with_dflt	Activate sketcher automatically using system defaults.
aec_parameter_file	Specifies the file name of the user defined piping parameter codes.
align_cable_bundles	Align NEWLY CREATED bundles where they meet or branch out
allow_sketch_selection	Yes - An external sketch may be selected as the feature's section. The sketch is copied into the feature without an associative link. No - An external sketch may not be selected as the feature's section.
allow_workpiece_silhouette	Determines if the workpiece is allowed for Silhouette Mach Window creation. NO - only reference part is allowed; YES - both workpiece and reference part are allowed; AUTO - only workpiece is allowed.
angle_grid_interval	Modify grid space in angular units for handle movement.
atb_auto_check_on_activate	Sets state of ATB 'Auto Check Status On Activate' toggle.
atb_auto_check_on_retrieve	Sets state of ATB 'Auto Check Status On Retrieve' toggle.
atb_auto_check_on_update	Sets state of ATB 'Auto Check Status On Update' toggle.
atb_search_path	Extends search path for ATB Update and ATB Check Status commands.
atb_show_log	Sets state of ATB 'Show Log' toggle.
autoplace_single_comp	Assembling components with an interface will automatically place the component at the first position satisfying the interface definitions.
blended_transparency	Yes - Transparent colors will appear using alpha blending (if supported) when the model is shaded.
bmgr_pref_file	Specifies the location of the Graph Tool preference file.
bump_revnum_on_retr_regen	Determines whether or not revnum is increased for generic models that regenerate and change during assembly retrieval. Only applies if new_asm_regen_revnums is yes (otherwise, there will be no revnum bumping).
centimeter_grid_interval	Modify grid space in centimeter units for handle movement.
comp_angle_offset_eps	Specifies the angle epsilon such that if the desired surfaces are equal or greater than the epsilon (in degrees), than an angle offset constraint will be created.
conf_mouse_anim	Display the presenter's mouse motions when observing a shared Pro/ENGINEER session.
create_temp_interfaces	Allow the automatic creation of interfaces based on previous assembly instructions.
default_comp_geom_scope	Set the specified Shared Geometry reference control conditions to newly added components.
default_comp_invalid_refs	Set the specified handling method of out-of-scope Accessible references to newly added components.

default_comp_scope_setting	Set the specified Accessible reference control conditions to newly added components.
default_comp_skel_geom_scope	Set the specified Shared Geometry reference control conditions to newly added Skeleton components.
default_comp_skel_scope_setting	Set the specified Accessible reference control conditions to newly added Skeleton components.
default_obj_constraints_scope	Set the specified Shared Placement reference control conditions to newly created models if template models were not used.
default_object_geom_scope	Set the specified Shared Geometry reference control conditions to newly created models if template models were not used.
disp_in_open_rep_create	Simplified Rep to display initially in Open Rep Create: "No" for none, "Yes" for graphics rep, or "Default Rep" to display the rep indicated by option "open_simplified_rep_by_default".
display_dwg_sketch_constraint	When set to yes, parametric sketching constraints, such as V for vertical, are displayed when a drawing object is selected
display_florin	Yes: display of the florin (international currency symbol) where possible. No: use the euro symbol exclusively.
display_tol_by_1000	If set to Yes, tolerances for non-angular dimensions will be displayed multiplied by 1000.
dm_cache_mode	Indicate which objects will be written to local cache when objects in Pro/E memory are saved.
dm_cache_size	Enter amount of disk space (in megabytes) to allocate for local file storage.
dm_http_compression_level	
dm_remember_server	Primary server/workspace must be set by user for each Pro/E session.
dm_secondary_upload	Indicate when modified Pro/E objects on a secondary server will be moved from the local cache to the user's workspace on the server.
dm_upload_objects	Indicate when modified Pro/E objects will be moved from the local cache to the user workspace on the server.
dxblock_to_pro_symbol	Specifies whether or not DXF BLOCKS to be imported as Pro/E symbols. Yes - Imports BLOCKS as symbol definitions, No - Imports BLOCKS as separate entities.
dxfin_faceted_brep	Default, faceted boundary representation is allowed in import.
ecad_missing_component_status	Setup default status for missing components in "Investigate Placement" Dialog.
enable_tree_indep	Setup whether tree customization will allow separating the tree window from Pro/E window.
fan_with_network	Setup whether the network should be included on flattening a harness.
fem_allow_named_mesh_files	Yes - The user will be prompted to select a file to retrieve the mesh from, or enter a file name to save the mesh to. No - The user will not be prompted to select or enter a mesh file name.
fem_measures	Provides access to Simulation Measures in FEM mode.
fem_new_tetra_mesher	Yes (default) - Use new FEM Tetrahedral Mesher. No - Use original FEM Tetrahedral Mesher.
foot_grid_interval	Modify grid space in foot units for handle movement.
highlight_layer_items	Specifies whether items selected in the layer tree should be highlighted in the graphics area.
inch_grid_interval	Modify grid space in inch units for handle movement.
info_output_format	Setup the default format type for information presentation. Text - information will be output as simple text. HTML - information will be output as html data.
intf2d_iges_out_hatch	YES - Exports draft xhatching as IGES sectioned area entity. NO - exports draft xhatching as separate geometric entities.

intf2d_out_cgm_ver	Provides the ability to choose CGM metafile version when exporting from Pro/E drawing.
intf2d_out_open_log_window	Yes - Opens Export Log File in special window. No - the Log File will not appear in the window.
intf2d_out_pnt_ent	Yes - Exports a drawing point to IGES, DXF or DWG as a point entity. No - Exports a drawing point as shape entities.
intf_cadds_version	Allows the user to switch between the default and alternate converter version for interface with CADD5
intf_in_use_template_models	Allows the user to use template models in Pro/INTERFACE import.
intf_out_cat_start_model	Specifies Catia start model to be used for CATIA II .model export.
intf_use_variable_size	Yes - IGES,DXF,STEP files with variable sized sheet information are imported and put on the appropriate variable-size format. Without a sheet size, the system tries to apply the correct variable-size format. No - The IGES,DXF,STEP drawing is placed on a standard sized format.
isogen_attribute_map_file	Specifies the mapping between isogen parameter and attribute name.
jlink_java2	Option to force use of Java-2 JRE command line ("java" instead of "jre")
mass_property_calculate	Calculate mass properties upon regeneration or by user request.
mdo_explicit_integration	Enable explicit integration for dynamic analyses.
centimeter_grid_interval	Modify grid space in centimeter units for handle movement.
mfg_workpiece_transparency	
millimeter_grid_interval	Modify grid space in millimeter units for handle movement.
minimum_angle_dimension	Controls the minimum angle value under which Pro/ENGINEER assumes colinearity of the selected items when creating a driven dimension.
mp_calc_level	Specifies the level of mass properties calculation.
nc_jobman_visible	Yes - make "Submit Path" and "Abort Path" visible. No - make "Submit Path" and "Abort Path" invisible.
new_designate_ui	
output_mfg_xml	Allows export/import mfg model to/from xml file. Yes - make Export/Import options visible. No - make them invisible.
param_dec_places	Sets the number of decimal places (0-14) to display in parameters.
photorender_capability_warnings	Allows the user to disable warnings about PhotoLux only capabilities.
pipe_solid_label_format	Specify the pipe solid label format that will be used to automatically generate pipeline labels.
pipeline_assembly_library_dir	Sets the default pipeline assembly library directory.
pipeline_solid_start_part_name	Sets the default pipeline solid start part name.
piping_bolt_nut_select_file	Piping bolts and nuts selection file.
piping_joint_fitting_clearance	Sets the piping joint minimum fitting clearance value.
piping_joint_fitting_offset	Sets the piping joint minimum fitting offset value.
piping_schematic_driven	Set the Schematic Driven Pipeline Modeling ON/OFF
piping_schematic_xml_dir	Specify directory with full path containing schematic information XML file(s).
piping_wildfire_convert	Always ask before converting old piping assemblies to update the network structure.
pro_cbltrm_dir	Sets the directory from which terminators are retrieved. Use the full pathname to avoid problems.
pro_palette_dir	Sets the default directory for drawing symbol palette files.
pro_stheno_command	Specifies the command for Stheno launch.
ratio_grid_interval	Modify grid space in percentage units for handle movement.
show_all_mold_layout_buttons	Sets all mold layout buttons visible.

sim_asm_modeling	Controls automatic creation of assembly links and free connections in Pro/MECHANICA. The default is YES.
sim_display_arrow_tail_touching	Toggles display of Load arrows to have tails or heads touching.
sim_display_beam_releases	Toggles display of Beam Release icons.
sim_display_condensation_intfs	Toggles display of condensation interfaces icons.
sim_display_contact_regions	Toggles display of Contact Region icons.
sim_display_in_spin	Toggles display of simulation objects in Dynamic Spin.
sim_display_interfaces	Toggles display of structure connection icons.
sim_display_load_colors	Toggles display of Load colors.
sim_display_load_value	Toggles display of Load values.
sim_display_matl_assignments	Toggles display of Material Assignment icons.
sim_display_mesh_and_model	Toggles display of Mesh together with Model.
sim_display_mesh_entities	Toggles display of Mesh entities.
sim_display_mesh_mode	Specifies the mode of mesh display in FEM preprocessor. Values: NO_MESH, WIREFRAME, HIDDEN, NOHIDDEN, SHADING.
sim_display_mesh_shrink_elems	Controls display of Mesh through a specified percentage of shrinking of its elements.
sim_display_names	Toggles display of Simulation Object names.
sim_display_rigid_dof	Toggles display of Rigid Link DOF icons.
sim_display_rigid_links	Toggles display of Rigid Link icons.
sim_display_therm_bcs	Toggles display of Thermal Boundary Condition icons.
sim_display_weighted_dof	Toggles display of Weighted Link DOF icons.
sim_display_weighted_links	Toggles display of Weighted Link icons.
sim_display_welds	Toggles display of Weld icons.
sim_fatigue_biaxiality_correct	Controls the use of biaxiality correction. The default value is YES.
sim_fatigue_biaxiality_method	Controls which method is used to model biaxiality: Klann-Tipton-Cordes, Hoffman-Seeger, or the most conservative (worst) of the two methods. The default value is WORST.
sim_fatigue_confidence_level	Specifies the percentage confidence in the predicted life result value. The default value is 90, and range is from 0.1 to 99.9
sim_fatigue_external_matdata	Controls the use of external material data. The default value is NO.
sim_fatigue_hysteresis_gate	Specifies the gate applied to cycle counting as a percentage of peak load. The default value is 1 and range is from 0 to 50.
sim_fatigue_infinite_life_value	Specifies the value for the lives beyond cutoff. The default value is 1e20 and range is from 1e15 to 1e30.
sim_fatigue_mean_stress	Controls the application of the mean stress correction. The default value is YES.
sim_fatigue_mean_stress_method	Controls which method is used to model mean stress: the Smith-Watson-Topper Approach, Morrow Correction, or the most conservative (worst) of the two methods. The default value is WORST.
sim_fatigue_safety_margin	Specifies a factor used to determine the Life Confidence quantity. The default value is 3 and range is from 1.1 to 100.
sim_fatigue_user_directory	Specifies the directory for user files (for example, external material files). The default value is the current directory.
sim_fatigue_write_surf_stress	Controls writing of surface stresses to a neutral file. The default value is NO.
sim_fem_nastran_use_pshell	Yes - use PSHELL cards, No - use PCOMP cards for laminate composite shells in NASTRAN output file.
sim_load_mech_mesh	No - The user is prompted to load the existing Mechanica mesh file from the current working directory. Yes - The mesh file, if exists, is loaded automatically and the mesh is displayed.

sim_mat_poissons_notation	Specifies the convention used for defining Poisson's ratio for anisotropic materials as being either Tsai (Column-normalized) or Jones (Row-normalized). This option affects only the labels for Poisson's ratio on the Material data form.
sim_max_memory_usage	Specifies the amount of memory in megabytes to be used in Mechanica run and FEM mesher. The default value is 128.
sim_motion_analysis_accuracy	Specifies the default accuracy to which Pro/MECHANICA determines values at each increment of the analysis. This number represents the acceptable fractional error in the computation of joint axis positions and rates at each time increment of the analysis. The default value is 0.0001.
sim_motion_analysis_assem_tol	Specifies the default error allowed for the assembly analysis. The default value is 0.001.
sim_motion_analysis_duration	Specifies the default length of time in seconds during which the analysis runs. The analysis duration can be less than the duration of the motion simulation. The default value is 10.0.
sim_motion_analysis_increment	Specifies the default increment between steps at which Pro/MECHANICA reports the motion of the mechanism. The default value is 0.1
sim_motion_analysis_integrator	Controls the default integrator Pro/MECHANICA uses when running the motion analysis. The value types are IMPLICIT (default) and EXPLICIT.
sim_motion_analysis_method	Controls the default method Pro/MECHANICA uses to analyze the motion of your model. The default is FASTEST_AVAILABLE.
sim_motion_analysis_start_time	Specifies the default time in seconds at which the motion analysis begins. The default value is 0.
sim_motion_analysis_vel_tol	Specifies the default error allowed for the velocity analysis. The default value is 0.001.
sim_motion_output_fly_file	Controls the creation of .fra file when saving results for a motion model, The .fra file is used to import a motion animation into Pro/FLY-THROUGH. The default is NO.
sim_nastran_use_coupmass	Add PARAM,COUPMASS,1 in the Nastran deck file to enforce consistent mass matrix generation.
sim_output_ids_for_layers	Outputs FEM mesh element IDs on each layer into XML file.
sim_output_obj_names	Output Beam Sections names, Analyses names, Coordinate Systems names as comments.
sim_pp_background_color	Specifies the background color of the work area for the results display. The default value is PROE.
sim_pp_vrml_export_format	Flags to denote VRML1.0 or VRML2.0 (default) output.
sim_pp_vrml_feature_edges	Flag to enable the inclusion of feature edges in the VRML file. The default value is NO.
sim_run_copy_fem_neutral_file	Controls whether the FEM neutral file (with extension .fnf) is copied into the study directory. The default value is YES.
sim_run_out_dir	Specifies the directory for Pro/MECHANICA run temporary storage. By default, the current directory is used.
sim_run_tmp_dir	Specifies the directory for Pro/MECHANICA run output storage. By default, the current directory is used.
sim_use_layers	Allows layers to become groups for Pro/MECHANICA Independent mode.
sketcher_collinear_skamps	Yes - collinear constraints will be used by Intent Manager; No - collinear constraints will not be used by Intent Manager.
sketcher_disp_weak_dimensions	Yes - weak dimensions will be displayed; No - weak dimensions will not be displayed.
sketcher_equal_length_skamps	Yes - equal length constraints will be used by Intent Manager; No - equal length constraints will not be used by Intent Manager.

sketcher_equal_radii_skamps	Yes - equal radii constraints will be used by Intent Manager; No - equal radii constraints will not be used by Intent Manager.
sketcher_grid_angle	Enter a grid angle value to override the default grid angle value.
sketcher_lineup_hor_skamps	Yes - line up horizontal constraints will be used by Intent Manager; No - line up horizontal constraints will not be used by Intent Manager.
sketcher_lineup_ver_skamps	Yes - line up vertical constraints will be used by Intent Manager; No - line up vertical constraints will not be used by Intent Manager.
sketcher_lock_modified_dims	Yes - modified dimensions will be locked; No - modified dimensions will not be locked.
sketcher_midpoint_skamps	Yes - midpoint constraints will be used by Intent Manager; No - midpoint constraints will not be used by Intent Manager.)
sketcher_num_digits	Enter a number of digits for scetcher accuracy.
sketcher_parallel_skamps	Yes - parallel constraints will be used by Intent Manager; No - parallel constraints will not be used by Intent Manager.
sketcher_perpendicular_skamps	Yes - perpendicular constraints will be used by Intent Manager; No - perpendicular constraints will not be used by Intent Manager.
sketcher_point_on_entry_skamps	Yes - point on entry constraints will be used by Intent Manager; No - point on entry constraints will not be used by Intent Manager.
sketcher_rel_accuracy	Enter a sketcher relative accuracy.
sketcher_same_point_skamps	Yes - same points constraints will be used by Intent Manager; No - same points constraints will not be used by Intent Manager.
sketcher_save_preview_image	This option controls whether section files should be saved with embedded image information which can be used to preview sections in File/Open dialog.
sketcher_set_grid_method	"Automatic" - grid spacing will be automatically set, "Manual" - grid spacing will be manually set.
sketcher_set_grid_x_spacing	Enter a x-grid spacing value to override the default x-grid spacing value.
sketcher_set_grid_y_spacing	Enter a y-grid spacing value to override the default y-grid spacing value.
sketcher_symmetric_skamps	Yes - symmetric constraints will be used by Intent Manager; No - symmetric constraints will not be used by Intent Manager.
sketcher_tangent_skamps	Yes - tangent constraints will be used by Intent Manager; No - tangent constraints will not be used by Intent Manager.
smt_bend_notes_dflt_display	Define the default state of Bend Note display (sheetmetal Mode)
smt_bend_notes_direction_down	Define the Down Direction symbol for Bend Notes (sheetmetal Mode)
smt_bend_notes_direction_up	Define the Up Direction symbol for Bend Notes (sheetmetal Mode)
smt_bend_notes_order	Define the Fields Order for Bend Notes (sheetmetal Mode)
smt_bend_notes_type_formed	Define the Formed symbol for Bend Notes (sheetmetal Mode)
smt_bend_notes_type_rolled	Define the Rolled symbol for Bend Notes (sheetmetal Mode)
style_default_connections	Yes - Add connections to a newly created Style surface.
tracesketch	
units_system_dic_file	Specifies the file containing the mapping for MCAT filename and units.
use_export_2d_dialog	Yes - Opens export options dialog when exporting Pro/E drawing. No - exports file without the options dialog.
use_master_for_bad_disp_reps	Yes to retrieve master rep when graphics rep has no display data.
use_pre_wildfire_text_font	Yes - Use the old stroke-based PTC font as the default font. No - Use a True Type font as the default font.
user_defined_grid_interval	Modify grid space in user defined length units for handle movement.
vrml_export_version	
web_browser_history_days	Enter number of days to store history records.
web_browser_homepage	Enter location of Pro/E browser home page.

web_disable_js_command	Enter a specific javascript command to be disabled
web_enable_javascript	Enables or disables Pro/Web.Link in the embedded browser.
web_enable_subscription	Enable the subscription mechanism for Connections
web_max_mail_size	Set the maximum email attachment size in kilobytes.
weld_notch_corner_radius	Specifies an initial default value for the radius at weld notch corner.
weld_notch_height	Specifies an initial default value for the weld notch height.
weld_notch_radius	Specifies an initial default value for the weld notch radius.
weld_notch_width	Specifies an initial default value for the weld notch width.