API node types

List of API node types and their GUI designations.

▼ **project** - *Project*
    global_variables - *Global Variables*
    ▼ **library** - *Library*
        ▼ **fbd_function** - *FBD Function*
            help_document_english - *Help Document (English)*
            help_document_german - *Help Document (German)*
        ▼ **fbd_function_block** - *FBD Function Block*
            help_document_english - *Help Document (English)*
            help_document_german - *Help Document (German)*
        ▼ **fbd_typical** - *FBD Typical*
            help_document_english - *Help Document (English)*
            help_document_german - *Help Document (German)*
        help_document_english - *Help Document (English)*
        help_document_german - *Help Document (German)*
        ▼ **st_function** - *ST Function*
            help_document_english - *Help Document (English)*
            help_document_german - *Help Document (German)*
        ▼ **st_function_block** - *ST Function Block*
            help_document_english - *Help Document (English)*
            help_document_german - *Help Document (German)*
        ▼ **cpp_function_block** - *C++ Function Block*
            help_document_english - *Help Document (English)*
            help_document_german - *Help Document (German)*
        array - *Array*
        struct - *Struct*
        isofast_idd_device_description_set - *IDD Device Description Set*
        gsdml_library - *GSDML Library*
    ▼ **configuration** - *Configuration*
        ▼ **safeethernet** - *safeethernet*
            safeethernet_connection - *safeethernet Connection*
            safeethernet_connection_to_elop_2_factory_proxy - *safeethernet Connection to ELOP II Factory Proxy*
            safeethernet_connection_to_opc - *safeethernet Connection to OPC*
            safeethernet_connection_to_safe_edr - *safeethernet Connection to safeEDR*
        global_variables - *Global Variables*
        ▼ **library** - *Library*
            ▼ **fbd_function** - *FBD Function*
                help_document_english - *Help Document (English)*
                help_document_german - *Help Document (German)*
            ▼ **fbd_function_block** - *FBD Function Block*
                help_document_english - *Help Document (English)*
                help_document_german - *Help Document (German)*
            ▼ **fbd_typical** - *FBD Typical*
                help_document_english - *Help Document (English)*
                help_document_german - *Help Document (German)*
            help_document_english - *Help Document (English)*
            help_document_german - *Help Document (German)*
            ▼ **st_function** - *ST Function*
                help_document_english - *Help Document (English)*

        help_document_german - *Help Document (German)*

▼ **st_function_block** - *ST Function Block*
    help_document_english - *Help Document (English)*
    help_document_german - *Help Document (German)*

▼ **cpp_function_block** - *C++ Function Block*
    help_document_english - *Help Document (English)*
    help_document_german - *Help Document (German)*

array - *Array*
struct - *Struct*
isofast_idd_device_description_set - *IDD Device Description Set*
gsdml_library - *GSDML Library*

▼ **proxy_resource_elop_2_factory** - *Proxy Resource ELOP II Factory*
    hardware_proxy_himatrix - *Hardware*

▼ **proxy_resource_silworx** - *Proxy Resource SILworX*
    hardware_proxy_himax - *Hardware*

▼ **resource** - *Resource*
    global_variables - *Global Variables*

    ▼ **watchpages** - *Watchpages*
        watchpage_local_forcing - *Watchpage (Local Forcing)*
        watchpage_global_forcing - *Watchpage (Global Forcing)*

    ▼ **smart_safety_test** - *Smart Safety Test*
        smart_safety_test_test_plan - *Test Plan*
        smart_safety_test_demo_test_plan - *DEMO Test Plan*

    program - *Program*

    ▼ **protocols** - *Protocols*

      ▼ **modbus_v2_slave_set** - *Modbus Slave Set V2*

        ▼ **modbus_v2_slave** - *Modbus Slave*

          ▼ **modbus_v2_master** - *Master*
            modbus_v2_dataview_link - *Data View Link*
            modbus_v2_dataview_link_with_dataview - *Data View Link + Data View*

        ▼ **modbus_v2_dataviews** - *Data Views*
          modbus_v2_dataview - *Data View*

      hart_protocol - *HART Protocol*
      modbus_slave_set - *Modbus Slave Set*

      ▼ **modbus_master** - *Modbus Master*

        ▼ **modbus_serial_modbus** - *Serial Modbus*

          ▼ **modbus_slave** - *Modbus Slave*
            modbus_fc_1_read_coils - *FC 1 Read Coils*
            modbus_fc_2_read_discrete_inputs - *FC 2 Read Discrete Inputs*
            modbus_fc_3_read_holding_registers - *FC 3 Read Holding Registers*
            modbus_fc_4_read_input_registers - *FC 4 Read Input Registers*
            modbus_fc_5_write_single_coil - *FC 5 Write Single Coil*
            modbus_fc_6_write_single_register - *FC 6 Write Single Register*
            modbus_fc_15_write_multiple_coils - *FC 15 Write Multiple Coils*
            modbus_fc_16_write_multiple_registers - *FC 16 Write Multiple Registers*
            modbus_fc_23_read_write_multiple_registers - *FC 23 Read Write Multiple Registers*

modbus_fc_100_read_coils_extended - *FC 100 Read Coils Extended*
modbus_fc_101_read_discrete_inputs_extended - *FC 101 Read Discrete Inputs Extended*
modbus_fc_102_read_holding_registers_extended - *FC 102 Read Holding Registers Extended*
modbus_fc_103_read_input_registers_extended - *FC 103 Read Input Registers Extended*
modbus_fc_104_write_multiple_coils_extended - *FC 104 Write Multiple Coils Extended*
modbus_fc_105_write_multiple_registers_extended - *FC 105 Write Multiple Registers Extended*
modbus_fc_106_read_write_multiple_registers_extended - *FC 106 Read Write Multiple Registers Extended*

▼ **modbus_gateway** - *Modbus Gateway*
   ▼ **modbus_gateway_slave** - *Gateway Slave*
      modbus_fc_1_read_coils - *FC 1 Read Coils*
      modbus_fc_2_read_discrete_inputs - *FC 2 Read Discrete Inputs*
      modbus_fc_3_read_holding_registers - *FC 3 Read Holding Registers*
      modbus_fc_4_read_input_registers - *FC 4 Read Input Registers*
      modbus_fc_5_write_single_coil - *FC 5 Write Single Coil*
      modbus_fc_6_write_single_register - *FC 6 Write Single Register*
      modbus_fc_15_write_multiple_coils - *FC 15 Write Multiple Coils*
      modbus_fc_16_write_multiple_registers - *FC 16 Write Multiple Registers*
      modbus_fc_23_read_write_multiple_registers - *FC 23 Read Write Multiple Registers*
      modbus_fc_100_read_coils_extended - *FC 100 Read Coils Extended*
      modbus_fc_101_read_discrete_inputs_extended - *FC 101 Read Discrete Inputs Extended*
      modbus_fc_102_read_holding_registers_extended - *FC 102 Read Holding Registers Extended*
      modbus_fc_103_read_input_registers_extended - *FC 103 Read Input Registers Extended*
      modbus_fc_104_write_multiple_coils_extended - *FC 104 Write Multiple Coils Extended*
      modbus_fc_105_write_multiple_registers_extended - *FC 105 Write Multiple Registers Extended*
      modbus_fc_106_read_write_multiple_registers_extended - *FC 106 Read Write Multiple Registers Extended*

▼ **modbus_ethernet_slaves** - *Ethernet Slaves*
   ▼ **modbus_tcp_udp_slave** - *TCP/UDP Slave*
      modbus_fc_1_read_coils - *FC 1 Read Coils*
      modbus_fc_2_read_discrete_inputs - *FC 2 Read Discrete Inputs*
      modbus_fc_3_read_holding_registers - *FC 3 Read Holding Registers*
      modbus_fc_4_read_input_registers - *FC 4 Read Input Registers*
      modbus_fc_5_write_single_coil - *FC 5 Write Single Coil*

modbus_fc_6_write_single_register - *FC 6 Write Single Register*
modbus_fc_15_write_multiple_coils - *FC 15 Write Multiple Coils*
modbus_fc_16_write_multiple_registers - *FC 16 Write Multiple Registers*
modbus_fc_23_read_write_multiple_registers - *FC 23 Read Write Multiple Registers*
modbus_fc_100_read_coils_extended - *FC 100 Read Coils Extended*
modbus_fc_101_read_discrete_inputs_extended - *FC 101 Read Discrete Inputs Extended*
modbus_fc_102_read_holding_registers_extended - *FC 102 Read Holding Registers Extended*
modbus_fc_103_read_input_registers_extended - *FC 103 Read Input Registers Extended*
modbus_fc_104_write_multiple_coils_extended - *FC 104 Write Multiple Coils Extended*
modbus_fc_105_write_multiple_registers_extended - *FC 105 Write Multiple Registers Extended*
modbus_fc_106_read_write_multiple_registers_extended - *FC 106 Read Write Multiple Registers Extended*

sntp_server - *SNTP Server*
▼ **sntp_client** - *SNTP Client*
    sntp_server_info - *SNTP Server Info*
profibus_dp_slave - *PROFIBUS DP Slave*
▼ **profinet_io_device** - *PROFINET IO Device*
    profinet_dap_module - *DAP Modul*
    profinet_input_1_byte - *Input 1 Byte*
    profinet_input_2_bytes - *Input 2 Bytes*
    profinet_input_4_bytes - *Input 4 Bytes*
    profinet_input_8_bytes - *Input 8 Bytes*
    profinet_input_16_bytes - *Input 16 Bytes*
    profinet_input_32_bytes - *Input 32 Bytes*
    profinet_input_64_bytes - *Input 64 Bytes*
    profinet_input_128_bytes - *Input 128 Bytes*
    profinet_input_256_bytes - *Input 256 Bytes*
    profinet_input_512_bytes - *Input 512 Bytes*
    profinet_input_1024_bytes - *Input 1024 Bytes*
    profinet_output_1_byte - *Output 1 Byte*
    profinet_output_2_bytes - *Output 2 Bytes*
    profinet_output_4_bytes - *Output 4 Bytes*
    profinet_output_8_bytes - *Output 8 Bytes*
    profinet_output_16_bytes - *Output 16 Bytes*
    profinet_output_32_bytes - *Output 32 Bytes*
    profinet_output_64_bytes - *Output 64 Bytes*
    profinet_output_128_bytes - *Output 128 Bytes*
    profinet_output_256_bytes - *Output 256 Bytes*
    profinet_output_512_bytes - *Output 512 Bytes*
    profinet_output_1024_bytes - *Output 1024 Bytes*
    profinet_input_output_1_byte - *Input/Output 1 Byte*
    profinet_input_output_2_bytes - *Input/Output 2 Bytes*
    profinet_input_output_4_bytes - *Input/Output 4 Bytes*
    profinet_input_output_8_bytes - *Input/Output 8 Bytes*
    profinet_input_output_16_bytes - *Input/Output 16 Bytes*
    profinet_input_output_32_bytes - *Input/Output 32 Bytes*
    profinet_input_output_64_bytes - *Input/Output 64 Bytes*

profinet_input_output_128_bytes - *Input/Output 128 Bytes*
profinet_input_output_256_bytes - *Input/Output 256 Bytes*
profinet_input_output_512_bytes - *Input/Output 512 Bytes*
profinet_input_output_1024_bytes - *Input/Output 1024 Bytes*
profinet_f_input_output_1_byte - *F-Input/Output 1 Byte*
profinet_f_input_output_2_bytes - *F-Input/Output 2 Bytes*
profinet_f_input_output_4_bytes - *F-Input/Output 4 Bytes*
profinet_f_input_output_8_bytes - *F-Input/Output 8 Bytes*
profinet_f_input_output_10_bytes - *F-Input/Output 10 Bytes*
profinet_f_input_output_12_bytes - *F-Input/Output 12 Bytes*
profinet_f_input_output_16_bytes - *F-Input/Output 16 Bytes*
profinet_f_input_output_32_bytes - *F-Input/Output 32 Bytes*
profinet_f_input_output_64_bytes - *F-Input/Output 64 Bytes*
profinet_f_input_output_123_bytes - *F-Input/Output 123 Bytes*
profinet_f_input_1_byte - *F-Input 1 Byte*
profinet_f_input_2_bytes - *F-Input 2 Bytes*
profinet_f_input_4_bytes - *F-Input 4 Bytes*
profinet_f_input_8_bytes - *F-Input 8 Bytes*
profinet_f_input_10_bytes - *F-Input 10 Bytes*
profinet_f_input_12_bytes - *F-Input 12 Bytes*
profinet_f_input_16_bytes - *F-Input 16 Bytes*
profinet_f_input_32_bytes - *F-Input 32 Bytes*
profinet_f_input_64_bytes - *F-Input 64 Bytes*
profinet_f_input_123_bytes - *F-Input 123 Bytes*
profinet_f_output_1_byte - *F-Output 1 Byte*
profinet_f_output_2_bytes - *F-Output 2 Bytes*
profinet_f_output_4_bytes - *F-Output 4 Bytes*
profinet_f_output_8_bytes - *F-Output 8 Bytes*
profinet_f_output_10_bytes - *F-Output 10 Bytes*
profinet_f_output_12_bytes - *F-Output 12 Bytes*
profinet_f_output_16_bytes - *F-Output 16 Bytes*
profinet_f_output_32_bytes - *F-Output 32 Bytes*
profinet_f_output_64_bytes - *F-Output 64 Bytes*
profinet_f_output_123_bytes - *F-Output 123 Bytes*
▼ **profibus_dp_master** - *PROFIBUS DP Master*
  ▼ **profibus_function_blocks** - *Function Blocks*
    profibus_rdrec_acyclic_reading - *RDREC: Acyclic Reading*
    profibus_wrrec_acyclic_writing - *WRREC: Acyclic Writing*
    profibus_rdiag_read_diagnosis - *RDIAG: Read Diagnosis*
    profibus_ralrm_receive_alarms - *RALRM: Receive Alarms*
    profibus_mstat_set_master_state - *MSTAT: Set Master State*
    profibus_slact_set_slave_state - *SLACT: Set Slave State*
  profibus_slave - *PROFIBUS Slave*
▼ **send_receive_over_tcp** - *Send/Receive over TCP*
  ▼ **send_receive_over_tcp_function_blocks** - *Function Blocks*
    send_receive_over_tcp_send - *Send*
    send_receive_over_tcp_receive - *Receive*
    send_receive_over_tcp_variable_receive - *Variable Receive*
    send_receive_over_tcp_receive_line - *Receive Line*
    send_receive_over_tcp_reset - *Reset*
  send_receive_over_tcp_tcp_connection - *TCP Connection*
com_user_task - *ComUserTask*
▼ **opc_ua_server_set** - *OPC UA Server Set*
  opc_ua_com_reference - *COM Reference*
  opc_ua_certificates - *Certificates*
  opc_ua_namespace - *Namespace*
▼ **profinet_io_controller_set** - *PROFINET IO Controller Set*

▼ **profinet_io_controller** - *PROFINET IO Controller*
    gsdml_library - *GSDML Library*
    ▼ **profinet_function_blocks** - *Function Blocks*
        profinet_rdrec_acyclic_reading - *RDREC: Acyclic Reading*
        profinet_wrrec_acyclic_writing - *WRREC: Acyclic Writing*
        profinet_ralrm_receive_alarms - *RALRM: Receive Alarms*
        profinet_mstat_set_controller_state - *MSTAT: Set Controller State*
        profinet_slact_set_device_state - *SLACT: Set Device State*
        profinet_fb_id_table - *FB ID Table*
    ▼ **profinet_io_device_under_controller** - *PROFINET IO Device*
        ▼ **profinet_application_relation** - *Application Relation*
            profinet_alarm_cr - *Alarm CR*
            profinet_default_input_cr - *Default Input CR*
            profinet_default_output_cr - *Default Output CR*
            profinet_input_cr - *Input CR*
            profinet_output_cr - *Output CR*
▼ **isofast_via_ethernet** - *ISOfast via Ethernet*
    isofast_fix_isote - *Fix-IsoTE*
    ▼ **isofast_custom_isote** - *Custom-IsoTE*
        isofast_custom - *ISOfast*
        isofast_spc_custom - *SPC*
hardware - *Hardware*
▼ **library** - *Library*
    ▼ **fbd_function** - *FBD Function*
        help_document_english - *Help Document (English)*
        help_document_german - *Help Document (German)*
    ▼ **fbd_function_block** - *FBD Function Block*
        help_document_english - *Help Document (English)*
        help_document_german - *Help Document (German)*
    ▼ **fbd_typical** - *FBD Typical*
        help_document_english - *Help Document (English)*
        help_document_german - *Help Document (German)*
    help_document_english - *Help Document (English)*
    help_document_german - *Help Document (German)*
    ▼ **st_function** - *ST Function*
        help_document_english - *Help Document (English)*
        help_document_german - *Help Document (German)*
    ▼ **st_function_block** - *ST Function Block*
        help_document_english - *Help Document (English)*
        help_document_german - *Help Document (German)*
    ▼ **cpp_function_block** - *C++ Function Block*
        help_document_english - *Help Document (English)*
        help_document_german - *Help Document (German)*
    array - *Array*
    struct - *Struct*
    isofast_idd_device_description_set - *IDD Device Description Set*
    gsdml_library - *GSDML Library*
safeethernet_link_container - *safeethernet*
▼ **license_management** - *License Management*

        license_key - *License Key*
      alarms_and_events - *Alarms&Events*
    ▼ **hipro_s_v2** - *HIPRO-S V2*
        ▼ **hipro_s_local_resource** - *Local Resource*
            hipro_s_remote_resource - *Remote Resource*
▼ **opc_server_set** - *OPC Server Set*
    safeethernet_link_container - *safeethernet*
    ▼ **opc_server** - *OPC Server*
        ▼ **license_management** - *License Management*
            license_key - *License Key*
      opc_host - *OPC Host*
    safeethernet_opc_ack_connection - *OPC-A&E-Ack*
▼ **safe_edr_set** - *safeEDR-Set*
    safeethernet_link_container - *safeethernet*
    ▼ **safe_edr** - *safeEDR*
        ▼ **license_management** - *License Management*
            license_key - *License Key*
      safe_edr_host - *safeEDR Host*
▼ **operator_training_system** - *Operator Training System*
    ▼ **license_management** - *License Management*
        license_key - *License Key*
    global_variables - *Global Variables*
    program - *Program*
    operator_training_system_host - *OTS Host*
    ▼ **library** - *Library*
        ▼ **fbd_function** - *FBD Function*
            help_document_english - *Help Document (English)*
            help_document_german - *Help Document (German)*
        ▼ **fbd_function_block** - *FBD Function Block*
            help_document_english - *Help Document (English)*
            help_document_german - *Help Document (German)*
        ▼ **fbd_typical** - *FBD Typical*
            help_document_english - *Help Document (English)*
            help_document_german - *Help Document (German)*
        help_document_english - *Help Document (English)*
        help_document_german - *Help Document (German)*
        ▼ **st_function** - *ST Function*
            help_document_english - *Help Document (English)*
            help_document_german - *Help Document (German)*
        ▼ **st_function_block** - *ST Function Block*
            help_document_english - *Help Document (English)*
            help_document_german - *Help Document (German)*
        ▼ **cpp_function_block** - *C++ Function Block*
            help_document_english - *Help Document (English)*
            help_document_german - *Help Document (German)*
        array - *Array*
        struct - *Struct*
        isofast_idd_device_description_set - *IDD Device Description Set*
        gsdml_library - *GSDML Library*
    safeethernet_link_container - *safeethernet*
    alarms_and_events - *Alarms&Events*
    ▼ **watchpages** - *Watchpages*
        watchpage_local_forcing - *Watchpage (Local Forcing)*
        watchpage_global_forcing - *Watchpage (Global Forcing)*
    ▼ **smart_safety_test** - *Smart Safety Test*

smart_safety_test_test_plan - *Test Plan*
smart_safety_test_demo_test_plan - *DEMO Test Plan*

▼ **safeethernet** - *safeethernet*

safeethernet_connection - *safeethernet Connection*
safeethernet_connection_to_elop_2_factory_proxy - *safeethernet Connection to ELOP II Factory Proxy*
safeethernet_connection_to_opc - *safeethernet Connection to OPC*
safeethernet_connection_to_safe_edr - *safeethernet Connection to safeEDR*

user_management - *User Management*