

B&R Revision Information
Automation Runtime SG4 V3.09
15-Sep-2015

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The current revision information can be downloaded from the B&R Homepage download area (<http://www.br-automation.com/en/downloads>).

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Requests and problems by version

ID	valuation	solved since	known since	Description
400091435	Problem	ARSG4_3.09.5_E03.09	ARSG4_3.08.22_V03.08	Error 12041 not set for LCRPIDTune
400117356	Problem	–	ARSG4_4.02.18_R04.02	Loss of remanent PVs on simultaneous failure of an I/O module and power failure
400093463	Problem	–	ARSG4_4.01.4_D04.01	Error 32280 at ACOPOS with 8AC114.60–2 when using PRC option only on some
400081950	Problem	–	ARSG4_4.00.22_V04.00	xmlReadNextNode returns Error 33818 when there are characters following the XML End tag.
400109321	Problem	–	ARSG4_3.09.9_I03.09	String literals with \$ are incorrectly interpreted with POWERLINK CN initialization values.
400093522	Problem	–	ARSG4_3.09.7_G03.09	If disconnected and reconnected, the Nord CANopen frequency inverter only continues working after the PnP timer has elapsed.
400101933	New function	–	ARSG4_3.09.7_G03.09	AsHttp library available
400095563 400035618	Problem	–	ARSG4_3.09.5_E03.09	Static Routing via POWERLINK NAT Subnet does not work
317025	Problem	–	ARSG4_3.09.5_E03.09	X2X modules are no longer detected if the cable is jiggled in a certain way when they are connected.
400129692	Problem	–	ARSG4_3.09.13_M03.09	AR3.09 ArWin – AsTime::utcDTStructureGetTime() returning local time
400116568	Problem	–	ARSG4_3.09.11_K03.09	CANopen master entering emergency telegrams in the logbook that are not send on the CAN bus
400076499	Problem	–	ARSG4_3.08.8_H03.08	Values of local remanent variables are lost after booting in diagnostics mode
400114423	Problem	–	ARSG4_3.08.22_V03.08	CANopenSDORead8() function block in the AsCANopen library returning status 65534 although called with enable = TRUE
400091542	Problem	–	ARSG4_3.01.4_D03.01	CANopen write sporadically returns Error 50
400080378 400081281	Problem	ARSG4_3.09.9_I03.09	–	The checksum of one or more B&R modules is incorrect.
400103036	Problem	ARSG4_3.09.9_I03.09	ARSG4_4.01.7_G04.01	SdmSystemDump function block not generating a system dump in ARwin
321550	Problem	ARSG4_3.09.9_I03.09	ARSG4_3.09.7_G03.09	Cycle time violation of the I/O scheduler during download
311650	Problem	ARSG4_3.09.9_I03.09	ARSG4_3.09.5_E03.09	Firmware update of POWERLINK X2XLink Buscontroller in V1 via SDO
400103077	Problem	ARSG4_3.09.9_I03.09	ARSG4_3.09.3_C03.09	Hardware status on the SDM start page shows errors even though all nodes of the hardware tree are OK.
400105760	Problem	ARSG4_3.09.9_I03.09	ARSG4_3.07.14_N03.07	Overloading tasks, which include variables that are used by a running VC terminal causes a page fault in AR or leads to a memory problem
400085166	Problem	ARSG4_3.09.8_H03.09	PVI3.00.00.3119	Variables can no longer be read via PVI/INA2000
400099872 400100767	Problem	ARSG4_3.09.8_H03.09	ARSG4_4.02.11_K04.02	Watchdog occurs, if target is not reachable.
400077759	Problem	ARSG4_3.09.8_H03.09	ARSG4_3.09.7_G03.09	POWERLINK input data toggels on multiplexed iCN if multiplex slot is automatically calculated
400102773	Problem	ARSG4_3.09.8_H03.09	ARSG4_3.09.7_G03.09	The limit for the number of "binds" was increased from 20 to 64. Each interface uses 3 or 4 "binds" during initialisation, leaving not enough reserve for AsEthRawOpen, which requires one for each call.
400101362	Problem	ARSG4_3.09.8_H03.09	ARSG4_3.09.7_G03.09	USB RFID reader 5E9010.29 missing characters
400098787	Problem	ARSG4_3.09.8_H03.09	ARSG4_3.09.5_E03.09	X20CS1070 CAN driver correction
400088630	Problem	ARSG4_3.09.7_G03.09	ARSG4_4.01.5_E04.01	The internal events that are triggered by the suspend and resume of tasks will not cause the warning 24807 anymore.
400098685	Problem	ARSG4_3.09.7_G03.09	ARSG4_3.09.6_F03.09	AR OPC: Callback not sent for value changes after a "Write"
400092027	Problem	ARSG4_3.09.7_G03.09	ARSG4_3.09.5_E03.09	Connection between SL controller and SafeIO routed via iCN not working when the iCN is started prematurely
400096344	Problem	ARSG4_3.09.7_G03.09	ARSG4_3.09.5_E03.09	CfgSetWebMimeType() behaves unexpectedly
400095991 400097876 400101270	Problem	ARSG4_3.09.7_G03.09	ARSG4_3.09.5_E03.09	RFID Reader doesn't work anymore with E3.09
400091436	Problem	ARSG4_3.09.7_G03.09	ARSG4_3.09.4_D03.09	Message: "Not enough free memory" when transferring an additional visualization to ARwin.
400090254 400090254	Problem	ARSG4_3.09.7_G03.09	ARSG4_3.09.4_D03.09	Cyclic log book entries from the CANopen master can lead to a cycle time violation on the CPU.
400093522	Problem	ARSG4_3.09.7_G03.09	ARSG4_3.09.4_D03.09	Although the CANopen slaves are functional and have the correct status, the CANopen master doesn't recognize the status.
400094324	Problem	ARSG4_3.09.7_G03.09	ARSG4_3.09.4_D03.09	PV_xgetadr() doesn't work if task name >10 characters
400087751	Problem	ARSG4_3.09.7_G03.09	ARSG4_3.09.3_C03.09	USB EHCI activated for AR105 (APC/PPC) targets
400092904	New function	ARSG4_3.09.7_G03.09	ARSG4_3.08.22_V03.08	ARwin shuts down before being uninstalled
400095750	Problem	ARSG4_3.09.7_G03.09	ARSG4_3.07.5_E03.07	AsIOTimeStamp() does not return time stamps from the next system cycle any more
400045146 400092705	Problem	ARSG4_3.09.7_G03.09	ARSG4_3.01.4_D03.01	IOPCServer::RemoveGroup with bForce == TRUE doesn't work

400095305	Problem	ARSG4_3.09.6_F03.09	ARSG4_4.02.11_K04.02	Transferring safety application doesn't work if POWERLINK MTU > 500 bytes
400094656	Problem	ARSG4_3.09.6_F03.09	ARSG4_3.09.4_D03.09	The CPU doesn't boot if a CANopen slave doesn't have either Heartbeat or Lifeguarding configured.
400088880	Problem	ARSG4_3.09.6_F03.09	ARSG4_3.09.4_D03.09	AR OPC server: Errors when writing strings
400095270	Problem	ARSG4_3.09.6_F03.09	ARSG4_3.07.3_C03.07	AsDb: Enable is not evaluated in the dbGetData() FB.
290510	Problem	ARSG4_3.09.5_E03.09	nicht relevant	POWERLINK devices with dynamic mapping and a configured PDO mapping version other than 0 on Type 3/Type 4 hardware
287037	Problem	ARSG4_3.09.5_E03.09	ARSG4_4.02.4_D04.02	POWERLINK MTU set to CN
400079165	Problem	ARSG4_3.09.5_E03.09	ARSG4_4.01.3_C04.01	Error 30285 NetX Card failed code 0x8044 or 0x8048 on X20BC1083
400086510	Problem	ARSG4_3.09.5_E03.09	ARSG4_4.00.22_V04.00	POWERLINK: Accelerated asynchronous access to NetX downstream from POWERLINK bus controller
400090441 400090621	Problem	ARSG4_3.09.5_E03.09	ARSG4_3.09.4_D03.09	POWERLINK V2: openSafety connection including several interfaces did not work on iCN after restart of MN
400085428	New function	ARSG4_3.09.5_E03.09	ARSG4_3.09.3_C03.09	Warning 20936 fills the logbook
290917	Problem	ARSG4_3.09.5_E03.09	ARSG4_3.09.3_C03.09	Safety: SSDO routing via iCN improved
400091219	Problem	ARSG4_3.09.5_E03.09	ARSG4_3.09.3_C03.09	POWERLINK V1: Serial number of BC can now be read in SDM and with AsIODiag
291995	Problem	ARSG4_3.09.5_E03.09	ARSG4_3.09.3_C03.09	POWERLINK-NAT: Header checksum zero of TCP and ICMP not corrected
400087197	Problem	ARSG4_3.09.5_E03.09	ARSG4_3.09.3_C03.09	FileIO: Copying a file via FTP fails, but doesn't produce an error.
400080231	Problem	ARSG4_3.09.5_E03.09	ARSG4_3.09.1_A03.09	pICECreate for TN on iCN sometimes returns Error 20955
277910	Problem	ARSG4_3.09.5_E03.09	ARSG4_3.09.1_A03.09	Warning 30298 in logbook when an 8AC114.60-2 is configured as a chained station
400087725	New function	ARSG4_3.09.5_E03.09	ARSG4_3.08.22_V03.08	The AsDb library returns NCHAR and NVARCHAR as ASCII strings.
400089250	Problem	ARSG4_3.09.5_E03.09	ARSG4_3.08.22_V03.08	Correction for CAN extended identifier (29-bit)
400089250	Problem	ARSG4_3.09.5_E03.09	ARSG4_3.08.22_V03.08	Correction for CAN extended identifier (29-bit)
400088315	Problem	ARSG4_3.09.5_E03.09	ARSG4_3.08.22_V03.08	DevLink returns Error 20734 if the password for an FTP connection isn't entered.
400043838 400045307 400051684	Problem	ARSG4_3.09.5_E03.09	ARSG4_3.01.4_D03.01	POWERLINK X2X Link bus controller: CPU in RUN before firmware of optional modules has finished updating
290172	New function	ARSG4_3.09.4_D03.09	nicht relevant	New function "AsIOTimeCyclicStart" in the AsIOTime library
400082458 400085624	Problem	ARSG4_3.09.4_D03.09	ARSG4_3.08.22_V03.08	Internal changes for AR Version 3.06 have slowed down the FB DatObjWrite() considerably.
286687	New function	ARSG4_3.09.4_D03.09	ARSG4_3.08.16_P03.08	Faster synchronization of POWERLINK V1 interfaces
400079011	Problem	ARSG4_3.09.3_C03.09	ARSG4_3.08.22_V03.08	If more memory is configured for volatile global PVs in the system configuration than is available on the target, the CPU starts booting cyclically.
400081689	Problem	ARSG4_3.09.3_C03.09	ARSG4_3.01.12_L03.01	The FBs CANopenSDOReset() and CANopenSDOWrite8() place a high load on the CPU.
400129534	Problem	ARSG4_3.09.22_V03.09	-	The AsEthIP library does not longer connect when the master changes the communication from multicast to unicast.
400068756	Problem	ARSG4_3.09.22_V03.09	nicht relevant	Modules running on CAN Buscontroller report error 30030
400146840	Problem	ARSG4_3.09.22_V03.09	ARSG4_4.03.1_A04.03	The concurrent use of DevMemInfo and other file functions leads to invalid file handles. They could cause some errors or page faults.
400152568	Problem	ARSG4_3.09.22_V03.09	ARSG4_4.03.1_A04.03	The concurrent use of DevMemInfo and other file functions leads to invalid file handles. They could cause some errors or page faults.
400130402	Problem	ARSG4_3.09.22_V03.09	ARSG4_4.02.22_V04.02	ACOPOS as POWERLINK chained station does not start with unfavorable timing
400150746	Problem	ARSG4_3.09.22_V03.09	ARSG4_3.09.9_I03.09	Problem loading configuration from USB via SDM
400122745	Problem	ARSG4_3.09.22_V03.09	ARSG4_3.09.9_I03.09	AsEthIP library page faults when using multiple (4x) masters.
400151517	Problem	ARSG4_3.09.22_V03.09	ARSG4_3.09.20_T03.09	Target not starting with invalid IP configuration
400151431	New function	ARSG4_3.09.22_V03.09	ARSG4_3.09.20_T03.09	5E9020.29 USB transponder
400054890	Problem	ARSG4_3.09.22_V03.09	ARSG4_3.06.22_V03.06	Unique error number if X2X Link node number switch is invalid
400140781	Problem	ARSG4_3.09.22_V03.09	1.2.1.0	Module information data points of X20IF cards on X20BC1083 not available
400145147	Problem	ARSG4_3.09.21_U03.09	ARSG4_4.06.9_I04.06	Error 26262 when using "AdditionalSecurityCheck.txt"
400105461 400128046	Problem	ARSG4_3.09.21_U03.09	ARSG4_3.09.8_H03.09	Page fault when multiple data objects created simultaneously.
400147884	Problem	ARSG4_3.09.21_U03.09	ARSG4_3.09.19_S03.09	When using a synchronous PV (ANSL), a consistent transfer of the PV is not ensured.
400141566	Problem	ARSG4_3.09.20_T03.09	ARSG4_3.09.18_R03.09	Problem caused by memory corrupted by tracer task
400142881	Problem	ARSG4_3.09.20_T03.09	ARSG4_3.09.17_Q03.09	Problem caused by memory corrupted by tracer task
400141340	Problem	ARSG4_3.09.20_T03.09	ARSG4_3.09.13_M03.09	POWERLINK: Switch to Basic Ethernet of ICN at fail of MN
400081794	Problem	ARSG4_3.09.2_B03.09	ARSG4_4.01.1_A04.01	If you try to use FileIO to open a file on an FTP server with AR Version 4.00 or higher, Status 20708 is returned.
400078969	Problem	ARSG4_3.09.2_B03.09	ARSG4_4.00.22_V04.00	Summer time always active
400079765	Problem	ARSG4_3.09.2_B03.09	ARSG4_4.00.22_V04.00	SDM blocks visualization for 5 – 10s after control voltage off/on
400080347	Problem	ARSG4_3.09.2_B03.09	ARSG4_3.08.22_V03.08	On some PCs the AR000 loader crashes while starting.
400079844	Problem	ARSG4_3.09.2_B03.09	ARSG4_3.08.22_V03.08	ARwin boot freezes in Phase 2
400081019	Problem	ARSG4_3.09.2_B03.09	ARSG4_3.08.22_V03.08	Download and startup take longer
400079135	Problem	ARSG4_3.09.2_B03.09	ARSG4_3.08.22_V03.08	AR V3.08 doesn't work on a 4MP281.0843-13 or 4MP281.0571-12. The panel reboots cyclically. The error is corrected starting with version B3.09.
400077753	Problem	ARSG4_3.09.2_B03.09	ARSG4_3.08.22_V03.08	Connection problems with WinIO communication
400079725	Problem	ARSG4_3.09.2_B03.09	ARSG4_3.08.22_V03.08	The timeout of the IcmpPing FB varies strongly depending on the system load.
400078120	New function	ARSG4_3.09.2_B03.09	ARSG4_3.08.22_V03.08	Serial number can now be read
400077189 400081002 400083485	Problem	ARSG4_3.09.2_B03.09	ARSG4_3.08.22_V03.08	In rare cases a page fault occurs during ANSL communication (_anslOnlRecvSvcData).
400077189	Problem	ARSG4_3.09.2_B03.09	ARSG4_3.08.22_V03.08	In rare cases a page fault occurs during ANSL communication (_anslOnlRecvSvcData).

400078848	Problem	ARSG4_3.09.2_B03.09	ARSG4_3.08.18_R03.08	INA communication over two different networks doesn't work
400078134	Problem	ARSG4_3.09.2_B03.09	ARSG4_3.07.9_I03.07	Additional checks ensure that requests and responses are matched up correctly.
400076161	Problem	ARSG4_3.09.2_B03.09	ARSG4_3.07.8_H03.07	Error 26456 in the logbook for data points on the POWERLINK interface card
400078553	Problem	ARSG4_3.09.2_B03.09	ARSG4_3.07.8_H03.07	TMP_suspend() and TMP_resume() cause a cycle time violation when used to often with insufficient time inbetween.
400068854	Problem	ARSG4_3.09.2_B03.09	ARSG4_3.07.4_D03.07	Error in string functions (LEFT, RIGHT, MID, CONCAT, INSERT, DELETE) can lead to incorrect data and buffer overrun.
400110100	Problem	ARSG4_3.09.19_S03.09	nicht relevant	POWERLINK cycletime calculation file revised
400139189	Problem	ARSG4_3.09.19_S03.09	ARSG4_4.09.1_A04.09	Fixed: X20CM4810 Data from the module are not correct
398965	Problem	ARSG4_3.09.19_S03.09	ARSG4_4.08.25_Y04.08	Controller-Redundancy: [DOWNLOAD] – [POWERLINK] – Occasional failure to establish ANSL cross-communication
400137014	Problem	ARSG4_3.09.19_S03.09	ARSG4_4.02.21_U04.02	Sporadic pagefault (error 25314) if iCN finish startup before MN.
400116642 400125321 400127798 400133740 400136156	Problem	ARSG4_3.09.19_S03.09	ARSG4_4.02.17_Q04.02	Wrong interrupt handling leads to an initialization error after restart.
400140810	Problem	ARSG4_3.09.19_S03.09	ARSG4_4.02.16_P04.02	Bugfix: Pagefault in tDTMMGR
400129233	Problem	ARSG4_3.09.19_S03.09	ARSG4_3.09.8_H03.09	Cyclic restart after restoring file system
400141405	Problem	ARSG4_3.09.19_S03.09	ARSG4_3.09.18_R03.09	Incorrect header file for EthSock library
400135011 400124335 400137918	Problem	ARSG4_3.09.19_S03.09	ARSG4_3.06.22_V03.06	Fixed: serial communication (STREAM mode) to X67IF1121–1 not working properly
400129077	Problem	ARSG4_3.09.18_R03.09	VC 4.05.4	Missing data events when writing certain event variables (data type)
400133180 400135648	Problem	ARSG4_3.09.18_R03.09	ARSG4_4.02.22_V04.02	CANopen slave monitoring fails after 2.5 days.
400131964	Problem	ARSG4_3.09.18_R03.09	ARSG4_3.09.13_M03.09	The second CAN interface on an IF772 module freezes if there is no station on the CAN bus for an extended period of time.
400133216	New function	ARSG4_3.09.18_R03.09	ARSG4_3.09.13_M03.09	The CanOpenGetState() function block returns an incorrect CANopen status if a slave was not configured in Automation Studio.
400131463	Problem	ARSG4_3.09.17_Q03.09	ARSG4_3.09.11_K03.09	OPC server no longer accepts connection after several cycles when clients do a hard power fail without proper disconnect.
400117277 400118083 400120482 400126634 400127839 400128698	Problem	ARSG4_3.09.16_P03.09	ARSG4_4.02.18_R04.02	Correction when enabling line coverage
400118102	Problem	ARSG4_3.09.16_P03.09	ARSG4_4.02.17_Q04.02	When processing ANSL events (PV events, module events, etc.), objects are accessed that are not yet or no longer valid at this point in time.
400128721	Problem	ARSG4_3.09.16_P03.09	ARSG4_3.09.13_M03.09	Handling of failed connection attempts in interrupted networks
372420	Problem	ARSG4_3.09.15_O03.09	ARSG4_4.02.21_U04.02	X20A1x632 modules returning "SyncStatus" error if indivisible relationship between X2X Link and system cycle time
400092707	Problem	ARSG4_3.09.15_O03.09	ARSG4_3.09.4_D03.09	Overload of OPC DA server after client deregistration as well
400123649	Problem	ARSG4_3.09.15_O03.09	ARSG4_3.09.13_M03.09	APC rebooting during ARWin shutdown
400121091	New function	ARSG4_3.09.15_O03.09	ARSG4_3.09.12_L03.09	The behavior of the USB port is physically different due to the USB (OHCI/EHCI).
400127275	Problem	ARSG4_3.09.15_O03.09	ARSG4_3.09.11_K03.09	Overload of OPC DA server after client deregistration as well
400123625 400129034	Problem	ARSG4_3.09.15_O03.09	ARSG4_3.09.10_J03.09	X20BC1083: Update error X20IF10E3–1 after configuration change
400124234	Problem	ARSG4_3.09.14_N03.09	ARSG4_4.02.19_S04.02	Only possible to operate one CANopen slave with an APC8x and 5AC600.CANI–00
400123539	Problem	ARSG4_3.09.14_N03.09	ARSG4_4.02.19_S04.02	CANopen master not receiving data (PDOs) if no inputs are configured
400126326	Problem	ARSG4_3.09.14_N03.09	ARSG4_4.02.19_S04.02	USB transponder driver
400123039	Problem	ARSG4_3.09.14_N03.09	ARSG4_4.02.18_R04.02	"maxlength" parameter ignored in CANopenSDOReadData function block
400114693	Problem	ARSG4_3.09.14_N03.09	ARSG4_3.09.9_I03.09	Page fault after a few hours of operation if a CPU configured for CANopen slaves is operated without any slaves
400099510	Problem	ARSG4_3.09.14_N03.09	ARSG4_3.09.7_G03.09	When using the AsEthIP library, making a change to a task requires that the PLC be restarted in order for communication to work again.
400125951	Problem	ARSG4_3.09.14_N03.09	ARSG4_3.09.13_M03.09	CANopen master sending PDOs before the associated slave has reported status Operational
400124801	Problem	ARSG4_3.09.14_N03.09	ARSG4_3.09.13_M03.09	CONCAT returning incorrect result in certain cases
400124498	Problem	ARSG4_3.09.14_N03.09	ARSG4_3.09.13_M03.09	AR OPC DA server not always updating value changes
400122460	Problem	ARSG4_3.09.14_N03.09	ARSG4_3.09.12_L03.09	CANopen master resetting slaves although their heartbeat signal is being sent correctly
400122460	Problem	ARSG4_3.09.14_N03.09	ARSG4_3.09.12_L03.09	CANopen master not able to guarantee seamless transfer of LifeGuarding packages to CANopen slaves in certain circumstances
400113917	Problem	ARSG4_3.09.14_N03.09	ARSG4_3.09.11_K03.09	Detecting the "Kingston DataTraveler 4 GB" flash drive
400114996	Problem	ARSG4_3.09.13_M03.09	V3.00.90.27 SP0x	Modbus TCP slave with the "Block send mode" parameter set to "once" not behaving correctly
400116764	Problem	ARSG4_3.09.13_M03.09	ARSG4_4.05.2_B04.05	AsHttp: httpGetParamUrl: Empty parameter values considered
400119163	Problem	ARSG4_3.09.13_M03.09	ARSG4_4.02.18_R04.02	Remanent PVs are not saved during a power failure in ARwin "Shared mode", a cycle time <= 2000 µsec and POWERLINK as the system timer.
400120185	Problem	ARSG4_3.09.13_M03.09	ARSG4_3.09.9_I03.09	An additional 60 seconds required by the CPU during booting if a Modbus slave is configured on the Ethernet interface
400112996	Problem	ARSG4_3.09.13_M03.09	ARSG4_3.09.8_H03.09	Error 25314 – Page fault relating to AR OPC server and X20CP1485–1
400115006	Problem	ARSG4_3.09.13_M03.09	ARSG4_3.09.10_J03.09	Very long CPU boot times if a maximum bootup time of 0 is set for the CANopen master

400107287	Problem	ARSG4_3.09.12_L03.09	PVI4.0.14	Cannot change name of normal BR module when downloaded
400115948	Problem	ARSG4_3.09.12_L03.09	ARSG4_4.02.18_R04.02	Starting up 80 CANopen slaves that are controlled by multiple CANopen masters takes 3 hours.
400113713 400112239	Problem	ARSG4_3.09.12_L03.09	ARSG4_4.02.14_N04.02	Safety I/O modules via Modbus TCP/IP haven't worked since G3.09/G4.01.
400116205	Problem	ARSG4_3.09.12_L03.09	ARSG4_3.09.9_I03.09	The CANopen master cannot control CANopen slaves that do not send a boot message.
400107353	Problem	ARSG4_3.09.12_L03.09	ARSG4_3.09.8_H03.09	DirInfo / DirRead not working in terminal mode with PP65 and USB flash drive
400115006	Problem	ARSG4_3.09.12_L03.09	ARSG4_3.09.10_J03.09	CANopen slaves not detected after reconnecting the CANopen master.
338835	New function	ARSG4_3.09.11_K03.09	ARSG4_3.09.10_J03.09	Bufferupload of raw- and envelopesignal with up to 65535 values (incl. scaling factor) possible
400105531	Problem	ARSG4_3.09.10_J03.09	V3.00.90.23 SP0x	CANopen master not enabling all outputs on the X20BC0043
400106522	Problem	ARSG4_3.09.10_J03.09	ARSG4_3.09.8_H03.09	AR OPC > Memory leak on target with continuous OPC DCOM Connect / Read / Disconnect operations
400100962	Problem	ARSG4_3.09.10_J03.09	ARSG4_3.09.8_H03.09	NULL pointer exception
400073463	Problem	ARSG4_3.09.1_A03.09	V3.00.90.14	plCECreate on POWERLINK V2 iCN
400073602	Problem	ARSG4_3.09.1_A03.09	V3.00.80.31 SP01	Long boot times when ModbusTCP devices contain a large number of blocks
400066089	Problem	ARSG4_3.09.1_A03.09	V2.7.0.4102 [V2.94]	30479, 27306 when starting 7CP570.60-1 with four AF modules
400077759	Problem	ARSG4_3.09.1_A03.09	-	PP65: Miscellaneous error corrections in the Powerlink implementation
400077493	Problem	ARSG4_3.09.1_A03.09	nicht relevant	8AC114.60-2 didn't work as a chained station with AR 3.08
279460	Problem	ARSG4_3.09.1_A03.09	ARSG4_4.01.1_A04.01	It is now possible to transfer AsSound to a target that wasn't designed for audio.
400075707	Problem	ARSG4_3.09.1_A03.09	ARSG4_3.08.1_A03.08	MEMxinfo() returns incorrect memory size due to internal error in data storage
400076732	Problem	ARSG4_3.09.1_A03.09	ARSG4_3.07.9_I03.07	Cycle time violation due to memory allocation
400078143	Problem	ARSG4_3.09.1_A03.09	ARSG4_3.07.9_I03.07	Some modules (X20DO4649, X20DO8332, etc.) aren't detected when uploading hardware.
400071620	Problem	ARSG4_3.09.1_A03.09	ARSG4_3.07.8_H03.07	Function block CfgSetEthConfigMode() returns Status 29005 when cfgCONFIGMODE_MANUALLY is set twice
400071620	Problem	ARSG4_3.09.1_A03.09	ARSG4_3.07.8_H03.07	Function block CfgSetEthConfigMode() returns Status 29005 when cfgCONFIGMODE_MANUALLY is set twice
400071807	Problem	ARSG4_3.09.1_A03.09	ARSG4_3.07.8_H03.07	ABDF1 library writes a logbook entry with Error 0 (unnecessary debug output) for each variable that is read.
400072649	Problem	ARSG4_3.09.1_A03.09	ARSG4_3.07.4_D03.07	IcmpPing() function not working on ARsim – Error 32752
400070284	Problem	ARSG4_3.09.1_A03.09	ARSG4_3.07.4_D03.07	Faulty CAN frames can cause PLC to crash (PageFault)
400070284	Problem	ARSG4_3.09.1_A03.09	ARSG4_3.07.4_D03.07	Faulty CAN frames can cause PLC to crash (PageFault)
400069483	Problem	ARSG4_3.09.1_A03.09	ARSG4_3.07.1_A03.07	CANDftab() function block doesn't release resources when an error occurs (e.g. due to an error in the data object), resulting in a page fault
400066308	Problem	ARSG4_3.09.1_A03.09	ARSG4_3.06.22_V03.06	Error copying CAN CMS objects
400072106	Problem	ARSG4_3.09.1_A03.09	ARSG4_3.06.22_V03.06	Accessing the "Safety" and "Fieldbus" logbooks via library (with an index) causes a PageFault. The problem can be avoided by specifying the names "\$safety" or "\$fieldbus."

Requests and problems by product/component

1Mechatronics

Library – LoopConR

ID#400091435 : solved problem, known since ARSG4_3.08.22_V03.08, solved since ARSG4_3.09.5_E03.09

Error 12041 not set for LCRPIDTune

Instead of Error 12041, Warning 12002 is set.

1A4000.02 (2.0 Automation Runtime SG4)

AR – AC140 AR A3.09

ID#400069917 : solved problem, known since ARSG4_3.08.18_R03.08, solved since ARSG4_3.09.1_A03.09

AC140 does not start ACOPOS

Sometimes when booting the system, ACOPOS doesn't start and the system freezes with "network.init = ncFALSE". This is due to a problem in the CAN driver, which initializes the CAN interface with an incorrect baud rate.

AR – ARemb

ID# 400080378, 400081281 : solved problem, known since unbekannt, solved since ARSG4_3.09.9_I03.09

The checksum of one or more B&R modules is incorrect.

Despite having all modules stored redundantly in the file system (safe file system) it can happen that one or more B&R modules show an incorrect checksum after a number of restarts or after a CF is created.
Since the partitions show the correct status, however, this is not detected and the modules are not restored.

Since AR I3.09 this error can be eliminated by saving a blank text file named „AdditionalSecurityCheck.txt“ in the root directory (C:/) of the CF card.
In this case, the AR performs an extended modul check, which will increase the boot time.

CAUTION:

Without the "AdditionalSecurityCheck.txt" file in the root directory of the CF card, the AR does not perform any extended modul check. Hence there is no change in the startup behavior, for customers who do not need this feature.

AR – ARsim

ID#400080347 : solved problem, known since ARSG4_3.08.22_V03.08, solved since ARSG4_3.09.2_B03.09

On some PCs the AR000 loader crashes while starting.

ID#400078969 : solved problem, known since ARSG4_4.00.22_V04.00, solved since ARSG4_3.09.2_B03.09

Summer time always active

The summer time is active all year when the time zone has a summer time and automatic daylight savings is enabled.

AR – ARwin

ID#400123649 : solved problem, known since ARSG4_3.09.13_M03.09, solved since ARSG4_3.09.15_O03.09

APC rebooting during ARWin shutdown

Using the button "shutdown" results approx. every second use in an APC reboot

ID#400091436 : solved problem, known since ARSG4_3.09.4_D03.09, solved since ARSG4_3.09.7_G03.09

Message: "Not enough free memory" when transferring an additional visualization to ARwin.

The cause of this problem is that the number of files that can be open at a time is limited to 20. A VC module that isn't loaded to the CPU's RAM (e.g. character set) occupies a file handle. It is now possible to open 100 files at a time.

ID#400079844 : solved problem, known since ARSG4_3.08.22_V03.08, solved since ARSG4_3.09.2_B03.09

ARwin boot freezes in Phase 2

When ARwin is booted using the Autostart function, in rare cases it freezes. ARwin can then be booted manually with no problems. As a workaround, ARwin can be started with a delay. The boot delay can be configured using the t-parameter. For example, "ar010loader.exe -t100" delays the start by 100 seconds.

ID#400081019 : solved problem, known since ARSG4_3.08.22_V03.08, solved since ARSG4_3.09.2_B03.09

Download and startup take longer

The ARwin virtual interface is considerably slower at sending data.

ID#400092904 : new function since ARSG4_3.09.7_G03.09

ARwin shuts down before being uninstalled

To avoid problems when uninstalling, ARwin is now shut down automatically in advance.

ID#400129692 : known problem since ARSG4_3.09.13_M03.09

AR3.09 ArWin – AsTime::utcDTStructureGetTime() returning local time

The function will not be changed for version 3.90. In version 4.02 the function is available.

ID#400117356 : known problem since ARSG4_4.02.18_R04.02

Loss of remanent PVs on simultaneous failure of an I/O module and power failure

This problem occurs if the failure of an I/O module is detected at the same time as a power failure. This can happen when a shared power supply is switched off. Disabling module monitoring is a way to get around this problem.

AR – ARwin PP500

ID#400119163 : solved problem, known since ARSG4_4.02.18_R04.02, solved since ARSG4_3.09.13_M03.09

Remanent PVs are not saved during a power failure in ARwin "Shared mode", a cycle time <= 2000 µsec and POWERLINK as the system timer.

Remanent PVs are not saved during a power failure in ARwin "Shared mode", a cycle time <= 2000 µsec and POWERLINK as the system timer.

To get around this problem, "Exclusive mode" or a system cycle time >2000 µsec can be used.

AR – General SG4

ID#400151517 : solved problem, known since ARSG4_3.09.20_T03.09, solved since ARSG4_3.09.22_V03.09

Target not starting with invalid IP configuration

If an invalid IP address is assigned to an Ethernet interface ("IP="), an exception may occur during booting that then causes the target system to boot cyclically.

ID#400145147 : solved problem, known since ARSG4_4.06.9_I04.06, solved since ARSG4_3.09.21_U03.09

Error 26262 when using "AdditionalSecurityCheck.txt"

If an extended module check is performed when booting AR ("AdditionalSecurityCheck.txt"), it may result in the application being completely deleted, the target booting in service mode and error 26262 being entered in the logbook.

This problem can occur if a B&R module is created by the application (e.g. with the DataObj library) and the device is switched off at exactly that moment.

This is caused by the fact that when a module is created, it is first created on both partitions (0 bytes) and then the checksums are written to the module.

If the device is powered down right between when the modules are created and the checksums are written, then the extended check detects a B&R module with an invalid checksum (0 bytes) on both partitions the next time the system is booted. This then results in error 26262.

ID#400129233 : solved problem, known since ARSG4_3.09.8_H03.09, solved since ARSG4_3.09.19_S03.09

Cyclic restart after restoring file system

While the file system is being restored, all B&R modules are read into RAM individually and then copied to the second partition.

If a situation arises where a B&R module is larger than the memory space available in RAM, then this will result in a cyclic restart of the controller.

ID#400079011 : solved problem, known since ARSG4_3.08.22_V03.08, solved since ARSG4_3.09.3_C03.09

If more memory is configured for volatile global PVs in the system configuration than is available on the target, the CPU starts booting cyclically.

ID#400076732 : solved problem, known since ARSG4_3.07.9_I03.07, solved since ARSG4_3.09.1_A03.09

Cycle time violation due to memory allocation

If a thread with low priority is interrupted during memory allocation by other threads with medium priority, memory allocation of a high priority thread was blocked until the low priority thread finished. This may lead to a cycle time violation, if the runtimes of the middle priority threads are too long.

To avoid this problem, the low priority is increased until its allocation is finished.

ID#400066308 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.09.1_A03.09

Error copying CAN CMS objects

Data is copied byte-wise from the CMS object to the PVs, although the target PVs may have data types larger than one byte.

ID#400076499 : known problem since ARSG4_3.08.8_H03.08

Values of local remanent variables are lost after booting in diagnostics mode

AR – PP200

ID#400079135 : solved problem, known since ARSG4_3.08.22_V03.08, solved since ARSG4_3.09.2_B03.09

AR V3.08 doesn't work on a 4MP281.0843–13 or 4MP281.0571–12. The panel reboots cyclically. The error is corrected starting with version B3.09.

Diagnose – Debugger

ID# 400117277, 400118083, 400120482, 400126634, 400127839, 400128698 : solved problem, known since ARSG4_4.02.18_R04.02, solved since ARSG4_3.09.16_P03.09

Correction when enabling line coverage

Additional parameters are checked when line coverage is enabled.

Diagnose – SDM

ID#400150746 : solved problem, known since ARSG4_3.09.9_I03.09, solved since ARSG4_3.09.22_V03.09

Problem loading configuration from USB via SDM

If a file is selected from the file dialog in the "Motion" context, then the path name must be checked for possible mounted device names.

ID#400103077 : solved problem, known since ARSG4_3.09.3_C03.09, solved since ARSG4_3.09.9_I03.09

Hardware status on the SDM start page shows errors even though all nodes of the hardware tree are OK.

Only the ignoreNode parameter of the root node was used to generate the summary status information.

ID#400079765 : solved problem, known since ARSG4_4.00.22_V04.00, solved since ARSG4_3.09.2_B03.09

SDM blocks visualization for 5 – 10s after control voltage off/on

SDM has to iterate over the entire hardware tree in order to determine the status "Hardware OK" or "Hardware ERROR". Functional optimizations have considerably improved this runtime behavior.

Diagnose – SDM .1

ID#400105391 : solved problem, known since ARSG4_3.09.8_H03.09, solved since ARSG4_3.09.14_N03.09

SDM via HTML does not show SNTP server information

The problem rests in the SDAR.

Since the "sdarUpdSntpClientServers" function, which is called cyclically in the SDAR, returns error status SNTP_ONE_SERVER instead of ERR_OK, this is interpreted as an error in the SDAR and marked as invalid for continued use in the SDM (valid = 0).

The reason why the SVG bar returns a false positive result is that the parameter string in the SVG part --- unlike the HTML part --- is not checked for validity.

Diagnose – Tracer

ID#400142881 : solved problem, known since ARSG4_3.09.17_Q03.09, solved since ARSG4_3.09.20_T03.09

Problem caused by memory corrupted by tracer task

ID#400141566 : solved problem, known since ARSG4_3.09.18_R03.09, solved since ARSG4_3.09.20_T03.09

Problem caused by memory corrupted by tracer task

IO System – 2003 Backplane

ID#400066089 : solved problem, known since V2.7.0.4102 [V2.94], solved since ARSG4_3.09.1_A03.09

30479, 27306 when starting 7CP570.60–1 with four AF modules

When a fourth 7AF101.7 module with some free connections and five 7DM465.7 modules were connected to a 7AF101.7 module with three 7AF101.7 modules with no free connections, then turning on the analog module connected to the fourth 7AF101.7 caused a timeout, and Error 30479 was entered in the logbook. Then the AR resets the firmware of the 2003 backplane, and there is an I/O cycle time violation (27306). The timeout was set to low for this configuration and has been increased accordingly in the current version of AR.

IO System – CANopen

ID# 400133180, 400135648 : solved problem, known since ARSG4_4.02.22_V04.02, solved since ARSG4_3.09.18_R03.09

CANopen slave monitoring fails after 2.5 days.

ID#400131964 : solved problem, known since ARSG4_3.09.13_M03.09, solved since ARSG4_3.09.18_R03.09

The second CAN interface on an IF772 module freezes if there is no station on the CAN bus for an extended period of time.

ID#400125951 : solved problem, known since ARSG4_3.09.13_M03.09, solved since ARSG4_3.09.14_N03.09

CANopen master sending PDOs before the associated slave has reported status Operational

ID#400124234 : solved problem, known since ARSG4_4.02.19_S04.02, solved since ARSG4_3.09.14_N03.09

Only possible to operate one CANopen slave with an APC8x and 5AC600.CANI-00

ID#400123539 : solved problem, known since ARSG4_4.02.19_S04.02, solved since ARSG4_3.09.14_N03.09

CANopen master not receiving data (PDOs) if no inputs are configured

ID#400122460 : solved problem, known since ARSG4_3.09.12_L03.09, solved since ARSG4_3.09.14_N03.09

CANopen master resetting slaves although their heartbeat signal is being sent correctly

ID#400122460 : solved problem, known since ARSG4_3.09.12_L03.09, solved since ARSG4_3.09.14_N03.09

CANopen master not able to guarantee seamless transfer of LifeGuarding packages to CANopen slaves in certain circumstances

ID#400116205 : solved problem, known since ARSG4_3.09.9_I03.09, solved since ARSG4_3.09.12_L03.09

The CANopen master cannot control CANopen slaves that do not send a boot message.

ID#400115948 : solved problem, known since ARSG4_4.02.18_R04.02, solved since ARSG4_3.09.12_L03.09

Starting up 80 CANopen slaves that are controlled by multiple CANopen masters takes 3 hours.

ID#400115006 : solved problem, known since ARSG4_3.09.10_J03.09, solved since ARSG4_3.09.13_M03.09

Very long CPU boot times if a maximum bootup time of 0 is set for the CANopen master

ID#400115006 : solved problem, known since ARSG4_3.09.10_J03.09, solved since ARSG4_3.09.12_L03.09

CANopen slaves not detected after reconnecting the CANopen master.

ID#400114693 : solved problem, known since ARSG4_3.09.9_I03.09, solved since ARSG4_3.09.14_N03.09

Page fault after a few hours of operation if a CPU configured for CANopen slaves is operated without any slaves

ID#400105531 : solved problem, known since V3.00.90.23 SP0x, solved since ARSG4_3.09.10_J03.09

CANopen master not enabling all outputs on the X20BC0043

ID# 400090254, 400090254 : solved problem, known since ARSG4_3.09.4_D03.09, solved since ARSG4_3.09.7_G03.09

Cyclic log book entries from the CANopen master can lead to a cycle time violation on the CPU.

ID#400094656 : solved problem, known since ARSG4_3.09.4_D03.09, solved since ARSG4_3.09.6_F03.09

The CPU doesn't boot if a CANopen slave doesn't have either Heartbeat or Lifeguarding configured.

ID#400093522 : solved problem, known since ARSG4_3.09.4_D03.09, solved since ARSG4_3.09.7_G03.09

Although the CANopen slaves are functional and have the correct status, the CANopen master doesn't recognize the status.

ID#400133216 : new function since ARSG4_3.09.18_R03.09

The CanOpenGetState() function block returns an incorrect CANopen status if a slave was not configured in Automation Studio.

ID#400116568 : known problem since ARSG4_3.09.11_K03.09

CANopen master entering emergency telegrams in the logbook that are not send on the CAN bus

ID#400093522 : known problem since ARSG4_3.09.7_G03.09

If disconnected and reconnected, the Nord CANopen frequency inverter only continues working after the PnP timer has elapsed.

ID#400091542 : known problem since ARSG4_3.01.4_D03.01

CANopen write sporadically returns Error 50

IO System – DTM Server

ID#400140810 : solved problem, known since ARSG4_4.02.16_P04.02, solved since ARSG4_3.09.19_S03.09

Bugfix: Pagefault in tDTMMGR

Bugfix: Pagefault in tDTMMG

IO System – General

ID#400095750 : solved problem, known since ARSG4_3.07.5_E03.07, solved since ARSG4_3.09.7_G03.09

AslOTimeStamp() does not return time stamps from the next system cycle any more

If caused by jitter of the timer interrupt the current system cycle took longer than the nominal cycle time, the AslOTimeStamp() function returned values, that belonged to the next system cycle. Therefore AslOTimeStamp at the beginning of the next system cycle might have returned a smaller value. In this case AslOTimeStamp() now returns the nominal end time of the current system cycle, and therefore the time stamp is consecutive now.

ID#400085428 : new function since ARSG4_3.09.5_E03.09

Warning 20936 fills the logbook

When a POWERLINK card was operated at the performance limit of the PCI bus, Error 20936 was output every minute, filling the logbook. Now the logbook entry is only made when the time violation is larger than the previously reported one and more than 60 seconds have passed. With this change, fewer logbook entries are generated, yet you can still see the maximum time violation.

IO System – HWD

ID#400078143 : solved problem, known since ARSG4_3.07.9_I03.07, solved since ARSG4_3.09.1_A03.09

Some modules (X20DO4649, X20DO8332, etc.) aren't detected when uploading hardware.

The warning "Warning 0 – unknown module<> on bus <IF6.X2X.BUS> at pos<>" is entered in the logbook.

IO System – ModbusTCP

ID#400120185 : solved problem, known since ARSG4_3.09.9_I03.09, solved since ARSG4_3.09.13_M03.09

An additional 60 seconds required by the CPU during booting if a Modbus slave is configured on the Ethernet interface

ID#400114996 : solved problem, known since V3.00.90.27 SP0x, solved since ARSG4_3.09.13_M03.09

Modbus TCP slave with the "Block send mode" parameter set to "once" not behaving correctly

If a block is configured as a read command with the option "Block send mode" set to "Once" for a Modbus TCP slave, then this block will be sent cyclically and cannot be triggered using a PV as is stated in the online help documentation.

ID#400073602 : solved problem, known since V3.00.80.31 SP01, solved since ARSG4_3.09.1_A03.09

Long boot times when ModbusTCP devices contain a large number of blocks

Configured blocks are read in internally by Automation Runtime, which means that with an increasing number of blocks in a ModbusTCP device it takes disproportionately longer to boot the target system.

IO System – netX

ID# 400116642, 400125321, 400127798, 400133740, 400136156 : solved problem, known since ARSG4_4.02.17_Q04.02, solved since ARSG4_3.09.19_S03.09

Wrong interrupt handling leads to an initialization error after restart.

ID#400079165 : solved problem, known since ARSG4_4.01.3_C04.01, solved since ARSG4_3.09.5_E03.09

Error 30285 NetX Card failed code 0x8044 or 0x8048 on X20BC1083

With certain configurations there are oddaligned start offsets of IO images. The X20BC1083 bus controller needs aligned offsets so it returns error 30285 NetX Card SSx failed code: 0x8044 or 0x8048 to the logger.

Now the start offsets are corrected by the driver.

IO System – openSafety

ID#400137014 : solved problem, known since ARSG4_4.02.21_U04.02, solved since ARSG4_3.09.19_S03.09

Sporadic pagefault (error 25314) if iCN finish startup before MN.

Sporadic pagefault (error 25314) if iCN finish startup before MN.

ID# 400113713, 400112239 : solved problem, known since ARSG4_4.02.14_N04.02, solved since ARSG4_3.09.12_L03.09

Safety I/O modules via Modbus TCP/IP haven't worked since G3.09/G4.01.

Safety I/O modules connected to the SafeLOGIC controller via Modbus TCP/IP haven't worked since ab AR version G3.09 or G4.01; this connection continues to work in F3.09/F4.01.

This feature now works again beginning with L3.09 / L4.01.

ID#400092027 : solved problem, known since ARSG4_3.09.5_E03.09, solved since ARSG4_3.09.7_G03.09

Connection between SL controller and SafeIO routed via iCN not working when the iCN is started prematurely

If the connection between the SafeLOGIC controller and SafeIO modules is routed via a POWERLINK MN iCN connection, then it won't work if the iCN is started before the MN. This problem has existed since AR 3.08.

ID# 400095305 : solved problem, known since ARSG4_4.02.11_K04.02, solved since ARSG4_3.09.6_F03.09

Transferring safety application doesn't work if POWERLINK MTU > 500 bytes

If the MTU size for POWERLINK was set to more than 500 bytes, the safety application couldn't be transferred to the SafeLOGIC.

ID# 400090441, 400090621 : solved problem, known since ARSG4_3.09.4_D03.09, solved since ARSG4_3.09.5_E03.09

POWERLINK V2: openSafety connection including several interfaces did not work on iCN after restart of MN

ID#290917 : solved problem, known since ARSG4_3.09.3_C03.09, solved since ARSG4_3.09.5_E03.09

Safety: SSDO routing via iCN improved

Routing of SSDO packages via iCN has been improved. Starting up many routed SSDO connections is now completed faster.

IO System – Powerlink

ID#400130402 : solved problem, known since ARSG4_4.02.22_V04.02, solved since ARSG4_3.09.22_V03.09

ACOPOS as POWERLINK chained station does not start with unfavorable timing

ACOPOS configured as chained station on POWERLINK might not start, when state changes of POWERLINK driver and NC Manager had an unfavorable timing.

ID#400141340 : solved problem, known since ARSG4_3.09.13_M03.09, solved since ARSG4_3.09.20_T03.09

POWERLINK: Switch to Basic Ethernet of iCN at fail of MN

For POWERLINK iCN a switch to basic ethernet mode was build it, so that after a fail of the POWERLINK MN the iCN station could communicate by standard ethernet. In the POWERLINK Standard this state change is not described yet. Now this feature has to be enabled explicitly therefore the standard behavior of iCN conforms to the POWERLINK specification.

ID#400140781 : solved problem, known since 1.2.1.0, solved since ARSG4_3.09.22_V03.09

Module information data points of X20IF cards on X20BC1083 not available

The module information data points were added for the the X20IF cards.

ID# 400123625, 400129034 : solved problem, known since ARSG4_3.09.10_J03.09, solved since ARSG4_3.09.15_O03.09

X20BC1083: Update error X20IF10E3-1 after configuration change

If the configuration of a X20IF10E3-1 that is connected to a X20BC1083 POWERLINK X2XLink bus controller was changed, there were occasionally update problems.

The logbook filled with warning 20980 and the bus controller was resetting cyclically.

ID#400110100 : solved problem, known since nicht relevant, solved since ARSG4_3.09.19_S03.09

POWERLINK cycletime calculation file revised

ID#400077759 : solved problem, known since ARSG4_3.09.7_G03.09, solved since ARSG4_3.09.8_H03.09

POWERLINK input data toggles on multiplexed iCN if multiplex slot is automatically calculated

If a iCN station is configured as multiplexed CN and the multiplex slot is set to 0 (= cycle automatically calculated), the input data may be read incorrectly on the iCN after a restart.

The input data was read correctly if the multiplex slot was set to a fixed value, or the station was not multiplexed.

The problem was introduced with AR Version A3.09 / A4.01.

ID#311650 : solved problem, known since ARSG4_3.09.5_E03.09, solved since ARSG4_3.09.9_I03.09

Firmware update of POWERLINK X2XLink Buscontroller in V1 via SDO

The firmware update of POWERLINK X2XLink bus controllers is now performed via SOD, this prevents firmware update problems in POWERLINK V1, which occurred with bus controller firmware V1.3.1.0 (167)

ID#400091219 : solved problem, known since ARSG4_3.09.3_C03.09, solved since ARSG4_3.09.5_E03.09

POWERLINK V1: Serial number of BC can now be read in SDM and with AsIODiag

ID#291995 : solved problem, known since ARSG4_3.09.3_C03.09, solved since ARSG4_3.09.5_E03.09

POWERLINK-NAT: Header checksum zero of TCP and ICMP not corrected

When TCP and ICMP packets were routed via NAT on POWERLINK and the header checksum was zero, it was not corrected. The equivalent checksum 0xFFFF was treated correctly.

ID#290510 : solved problem, known since nicht relevant, solved since ARSG4_3.09.5_E03.09

POWERLINK devices with dynamic mapping and a configured PDO mapping version other than 0 on Type 3/Type 4 hardware

If a PDO mapping version other than 0 was configured on POWERLINK devices, then the ModuleOk flag for Type 3 and Type 4 interface cards was not switched to TRUE and input data couldn't be read.

The reason for this behavior was that the mapping version is checked in the Type 3/Type 4 POWERLINK IF cards, but the driver didn't enter the configured mapping version in the dynamic mapping of the controlled nodes.

The device worked with Type 2 POWERLINK IF cards, because here the mapping version 0 is always accepted.

The affected device was the Numatics G3 POWERLINK controller. The mapping version is now also entered on the controlled nodes for dynamic mapping.

ID#287037 : solved problem, known since ARSG4_4.02.4_D04.02, solved since ARSG4_3.09.5_E03.09

POWERLINK MTU set to CN

If the POWERLINK MTU is set to a different value than the default of 300, it is now set to the object 1F98/8 in the OD of the CN, as defined in the POWERLINK standard.

If the CN does not support object 1F98/8, which is mandatory in the specification, setting the MTU can be switched off by a <Parameter ID="EPL_CNSetMtu" Value="off"> in the hwc-File.

ID#400080231 : solved problem, known since ARSG4_3.09.1_A03.09, solved since ARSG4_3.09.5_E03.09

pICECreate for TN on iCN sometimes returns Error 20955

If pICECreate was called on an iCN to create copy entries for a TN while the MN sent a NMT reset command, the pICECreate function returned error 20955 instead of ERR_OK.

pICECreate works correct now, even in parallel to NMT reset commands.

ID#277910 : solved problem, known since ARSG4_3.09.1_A03.09, solved since ARSG4_3.09.5_E03.09

Warning 30298 in logbook when an 8AC114.60-2 is configured as a chained station

When an 8AC114.60-2 is configured as a chained station on the POWERLINK network, Warning 30298 is entered in the logbook during startup, since the ACOPOS boot operating system is missing some POWERLINK service data objects. These objects are found in the update operating system, so the station functions correctly after the NC Manager is started. The warning is no longer entered in the logbook.

ID#400077493 : solved problem, known since nicht relevant, solved since ARSG4_3.09.1_A03.09

8AC114.60-2 didn't work as a chained station with AR 3.08

8AS114.60-2 no longer works as a chained station with AR 3.08 – used to work with earlier versions.

ID#400076161 : solved problem, known since ARSG4_3.07.8_H03.07, solved since ARSG4_3.09.2_B03.09

Error 26456 in the logbook for data points on the POWERLINK interface card

When a CPU is operated as a Controlled Node (CN) in a POWERLINK network and the CPU is started before the Managing Node (MN) of the POWERLINK network, then Error 26456 is output for all data points on the POWERLINK interface card.

ID# 400043838, 400045307, 400051684 : solved problem, known since ARSG4_3.01.4_D03.01, solved since ARSG4_3.09.5_E03.09

POWERLINK X2X Link bus controller: CPU in RUN before firmware of optional modules has finished updating

If a POWERLINK X2X Link bus controller has multiple X2X Link stations connected to it whose X2X connection is reset during a firmware update (e.g. 8I64xxxxx) and whose "Module supervised" option is set to "off", then the CPU can enter RUN mode before the firmware for these modules has finished updating.

ID#286687 : new function since ARSG4_3.09.4_D03.09

Faster synchronization of POWERLINK V1 interfaces

For POWERLINK V1 interfaces in managing node mode, synchronization with the system clock has been improved during startup

ID#400109321 : known problem since ARSG4_3.09.9_I03.09

String literals with \$ are incorrectly interpreted with POWERLINK CN initialization values.

If hexadecimal values are specified with \$ in string literals for the initialization parameters of POWERLINK CN stations, they will be incorrectly interpreted and incorrect values will be output to POWERLINK.

ID# 400095563, 400035618 : known problem since ARSG4_3.09.5_E03.09

Static Routing via POWERLINK NAT Subnet does not work

The routing of IP connections by static routing entries using the POWERLINK NAT subnet address did not work since AR version I3.08.

ID#400093463 : known problem since ARSG4_4.01.4_D04.01

Error 32280 at ACOPOS with 8AC114.60-2 when using PRC option only on some

If there are several ACOPOS with 8AC114.60-2 in a POWERLINK network, and only some of them have the option Poll Response Chaining enabled, there might be a Timeout during the initialization for the ACOPOS without Poll Response Chaining, and therefore the Error 32280 – Timeout for enable of acyclic network communication is reported.

IO System – WinIO

ID#400077753 : solved problem, known since ARSG4_3.08.22_V03.08, solved since ARSG4_3.09.2_B03.09

Connection problems with WinIO communication

If the cyclic communication data requires more than one IP packet, there are brief sporadic interruptions in the connection between the controller and the simulation tool.

IO System – X2X

ID# 400068756 : solved problem, known since nicht relevant, solved since ARSG4_3.09.22_V03.09

Modules running on CAN Buscontroller report error 30030

Modules running on CAN Buscontroller report error 30030

ID# 400135011, 400124335, 400137918 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.09.19_S03.09

Fixed: serial communication (STREAM mode) to X67IF1121-1 not working properly

Fixed: serial communication (STREAM mode) to X67IF1121-1 not working properly

ID#372420 : solved problem, known since ARSG4_4.02.21_U04.02, solved since ARSG4_3.09.15_O03.09

X20Alx632 modules returning "SyncStatus" error if indivisible relationship between X2X Link and system cycle time

If the X2X Link cycle time and system cycle time had an indivisible relationship, then the X2X net time is not correctly synchronized and the X20Alx632 modules return a "SyncStatus" error. The net time is now correctly synchronized even if the relationship is indivisible.

ID#400054890 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.09.22_V03.09

Unique error number if X2X Link node number switch is invalid

If a station address assigned with a node number switch would result in a repeated station number, error 30345 ERR_DDIOX"X_HEXNOTUNIQUE is entered in the logbook. Previously Error 30349 "Internal X2X Link error" was entered.

ID#317025 : known problem since ARSG4_3.09.5_E03.09

X2X modules are no longer detected if the cable is jiggled in a certain way when they are connected.

Problem since E3.09

Library – AsANSL

ID#400147884 : solved problem, known since ARSG4_3.09.19_S03.09, solved since ARSG4_3.09.21_U03.09

When using a synchronous PV (ANSL), a consistent transfer of the PV is not ensured.

Library – AsARCfg

ID#400096344 : solved problem, known since ARSG4_3.09.5_E03.09, solved since ARSG4_3.09.7_G03.09

CfgSetWebMimeType() behaves unexpectedly

A configuration set during runtime was not applied on the Web server.

ID#400071620 : solved problem, known since ARSG4_3.07.8_H03.07, solved since ARSG4_3.09.1_A03.09

Function block CfgSetEthConfigMode() returns Status 29005 when cfgCONFIGMODE_MANUALLY is set twice

ID#400071620 : solved problem, known since ARSG4_3.07.8_H03.07, solved since ARSG4_3.09.1_A03.09

Function block CfgSetEthConfigMode() returns Status 29005 when cfgCONFIGMODE_MANUALLY is set twice

Library – AsARLog

ID#400072106 : solved problem, known since ARSG4_3.06.22_V03.06, solved since ARSG4_3.09.1_A03.09

Accessing the "Safety" and "Fieldbus" logbooks via library (with an index) causes a PageFault. The problem can be avoided by specifying the names "\$safety" or "\$fieldbus."

Library – AsArSdm

ID#400103036 : solved problem, known since ARSG4_4.01.7_G04.01, solved since ARSG4_3.09.9_I03.09

SdmSystemDump function block not generating a system dump in ARwin

Files that are saved in ARwin using the ArAsdm library (system dump) or SDM in connection with a visualization object are now mirrored automatically on the Windows file system by the RAM disk (VxWorks file system).

Up until now, the corresponding files had to be retrieved from the RAM disk manually with FTP.

Library – AsCANopen

ID#400123039 : solved problem, known since ARSG4_4.02.18_R04.02, solved since ARSG4_3.09.14_N03.09

"maxlength" parameter ignored in CANopenSDOReadData function block

ID#400081689 : solved problem, known since ARSG4_3.01.12_L03.01, solved since ARSG4_3.09.3_C03.09

The FBs CANopenSDORead8() and CANopenSDOWrite8() place a high load on the CPU.

ID#400114423 : known problem since ARSG4_3.08.22_V03.08

CANopenSDORead8() function block in the AsCANopen library returning status 65534 although called with enable = TRUE

Library – AsDb

ID#400095270 : solved problem, known since ARSG4_3.07.3_C03.07, solved since ARSG4_3.09.6_F03.09

AsDb: Enable is not evaluated in the dbGetData() FB.

ID#400087725 : new function since ARSG4_3.09.5_E03.09

The AsDb library returns NCHAR and NVARCHAR as ASCII strings.

Library – AsEthIP

ID#400129534 : solved problem, known since unbekannt, solved since ARSG4_3.09.22_V03.09

The AsEthIP library does not longer connect when the master changes the communication from multicast to unicast.

ID#400122745 : solved problem, known since ARSG4_3.09.9_I03.09, solved since ARSG4_3.09.22_V03.09

AsEthIP library page faults when using multiple (4x) masters.

ID#400099510 : solved problem, known since ARSG4_3.09.7_G03.09, solved since ARSG4_3.09.14_N03.09

When using the AsEthIP library, making a change to a task requires that the PLC be restarted in order for communication to work again.

Library – AsEthRaw

ID#400102773 : solved problem, known since ARSG4_3.09.7_G03.09, solved since ARSG4_3.09.8_H03.09

The limit for the number of "binds" was increased from 20 to 64. Each interface uses 3 or 4 "binds" during initialisation, leaving not enough reserve for AsEthRawOpen, which requires one for each call.

Library – AsHTTP

ID#400128721 : solved problem, known since ARSG4_3.09.13_M03.09, solved since ARSG4_3.09.16_P03.09

Handling of failed connection attempts in interrupted networks

ID#400116764 : solved problem, known since ARSG4_4.05.2_B04.05, solved since ARSG4_3.09.13_M03.09

AsHttp: httpGetParamUrl: Empty parameter values considered

ID#400101933 :

AsHttp library available

Library – AsIcmp

ID# 400099872, 400100767 : solved problem, known since ARSG4_4.02.11_K04.02, solved since ARSG4_3.09.8_H03.09

Watchdog occurs, if target is not reachable.

If the target, whos state is checked using AsICMP, is not reachable, a watchdog may occur under certain circumstances.

ID#400079725 : solved problem, known since ARSG4_3.08.22_V03.08, solved since ARSG4_3.09.2_B03.09

The timeout of the lcmpPing FB varies strongly depending on the system load.

ID#400072649 : solved problem, known since ARSG4_3.07.4_D03.07, solved since ARSG4_3.09.1_A03.09

lcmpPing() function not working on ARsim – Error 32752

Library – AsIODiag

ID#400078120 : new function since ARSG4_3.09.2_B03.09

Serial number can now be read

Library – AsIOTime

ID#290172 : new function since ARSG4_3.09.4_D03.09

New function "AsIOTimeCyclicStart" in the AsIOTime library

A new function has been added to the AsIOTime library: AsIOTimeCyclicStart. It returns the start time of the current cycle of the cyclic resource.

Library – AsIOVib

ID#400139189 : solved problem, known since ARSG4_4.09.1_A04.09, solved since ARSG4_3.09.19_S03.09

Fixed: X20CM4810 Data from the module are not correct

Fixed: X20CM4810 Data from the module are not correct

ID#338835 : new function since ARSG4_3.09.11_K03.09

Bufferupluad of raw– and envelopesignal with up to 65535 values (incl. scaling factor) possible

Library – AsNxCoM

ID#400086510 : solved problem, known since ARSG4_4.00.22_V04.00, solved since ARSG4_3.09.5_E03.09

POWERLINK: Accelerated asynchronous access to NetX downstream from POWERLINK bus controller

Library – AsSound

ID#279460 : solved problem, known since ARSG4_4.01.1_A04.01, solved since ARSG4_3.09.1_A03.09

It is now possible to transfer AsSound to a target that wasn't designed for audio.

In order to maintain consistency with all B&R libraries, the installation process is canceled when an error occurs.
The respective error code is not returned, however.
When an error occurs, the FBs themselves return the respective error code.

Library – AsUSB

ID# 400095991, 400097876, 400101270 : solved problem, known since ARSG4_3.09.5_E03.09, solved since ARSG4_3.09.7_G03.09

RFID Reader doesn't work anymore with E3.09

Due to a driver update, the RFID Reader no longer works in AR Version E3.09. Starting with AR Version F3.09 it works again.

ID#400121091 : new function since ARSG4_3.09.15_O03.09

The behavior of the USB port is physically different due to the USB (OHCI/EHCI).

The list of node identifiers starts >0.

Library – AsXML

ID#400081950 : known problem since ARSG4_4.00.22_V04.00

xmlReadNextNode returns Error 33818 when there are characters following the XML End tag.

Library – BRSystem

ID#400075707 : solved problem, known since ARSG4_3.08.1_A03.08, solved since ARSG4_3.09.1_A03.09

MEMxinfo() returns incorrect memory size due to internal error in data storage

Library – CAN_lib

ID#400098787 : solved problem, known since ARSG4_3.09.5_E03.09, solved since ARSG4_3.09.8_H03.09

X20CS1070 CAN driver correction

CAN objects are now freed up for the X20CS1070 in the CAN driver.

ID#400089250 : solved problem, known since ARSG4_3.08.22_V03.08, solved since ARSG4_3.09.5_E03.09

Correction for CAN extended identifier (29-bit)

CAN extended identifier (29-bit) correction – Management of SG4 targets

ID#400089250 : solved problem, known since ARSG4_3.08.22_V03.08, solved since ARSG4_3.09.5_E03.09

Correction for CAN extended identifier (29-bit)

CAN extended identifier (29-bit) correction – Management of SG4 targets

ID#400069483 : solved problem, known since ARSG4_3.07.1_A03.07, solved since ARSG4_3.09.1_A03.09

CANdftab() function block doesn't release resources when an error occurs (e.g. due to an error in the data object), resulting in a page fault

ID#400070284 : solved problem, known since ARSG4_3.07.4_D03.07, solved since ARSG4_3.09.1_A03.09

Faulty CAN frames can cause PLC to crash (PageFault)

If CAN frames are received with faulty length information (> 8 bytes), this can cause the PLC to crash since data in memory is overwritten.

ID#400070284 : solved problem, known since ARSG4_3.07.4_D03.07, solved since ARSG4_3.09.1_A03.09

Faulty CAN frames can cause PLC to crash (PageFault)

If CAN frames are received with faulty length information (> 8 bytes), this can cause the PLC to crash since data in memory is overwritten.

Library – DataObject

ID# 400105461, 400128046 : solved problem, known since ARSG4_3.09.8_H03.09, solved since ARSG4_3.09.21_U03.09

Page fault when multiple data objects created simultaneously.

ID# 400082458, 400085624 : solved problem, known since ARSG4_3.08.22_V03.08, solved since ARSG4_3.09.4_D03.09

Internal changes for AR Version 3.06 have slowed down the FB DatObjWrite() considerably.

Library – DRVABDF1

ID#400071807 : solved problem, known since ARSG4_3.07.8_H03.07, solved since ARSG4_3.09.1_A03.09

ABDF1 library writes a logbook entry with Error 0 (unnecessary debug output) for each variable that is read.

Library – DRV_mbus

ID#400078134 : solved problem, known since ARSG4_3.07.9_I03.07, solved since ARSG4_3.09.2_B03.09

Additional checks ensure that requests and responses are matched up correctly.

Library – EthSock

ID#400141405 : solved problem, known since ARSG4_3.09.18_R03.09, solved since ARSG4_3.09.19_S03.09

Incorrect header file for EthSock library

AR Setup installs an incorrect header file for the EthSock library (EthSock.h), which prevents the EthSock library from working any longer on X20 Atom CPUs.

Library – FileIO

ID#400146840 : solved problem, known since ARSG4_4.03.1_A04.03, solved since ARSG4_3.09.22_V03.09

The concurrent use of DevMemInfo and other file functions leads to invalid file handles. They could cause some errors or page faults.

ID#400152568 : solved problem, known since ARSG4_4.03.1_A04.03, solved since ARSG4_3.09.22_V03.09

The concurrent use of DevMemInfo and other file functions leads to invalid file handles. They could cause some errors or page faults.

ID#400107353 : solved problem, known since ARSG4_3.09.8_H03.09, solved since ARSG4_3.09.12_L03.09

DirInfo / DirRead not working in terminal mode with PP65 and USB flash drive

The problem where DirInfo could not read from a USB flash drive in terminal mode has been corrected.

The USB flash drive was treated like a folder and a backslash was set before its name. A query was implemented to determine whether it is dealing with the name of a drive.

ID#400087197 : solved problem, known since ARSG4_3.09.3_C03.09, solved since ARSG4_3.09.5_E03.09

FileIO: Copying a file via FTP fails, but doesn't produce an error.

ID#400088315 : solved problem, known since ARSG4_3.08.22_V03.08, solved since ARSG4_3.09.5_E03.09

DevLink returns Error 20734 if the password for an FTP connection isn't entered.

ID#400081794 : solved problem, known since ARSG4_4.01.1_A04.01, solved since ARSG4_3.09.2_B03.09

If you try to use FileIO to open a file on an FTP server with AR Version 4.00 or higher, Status 20708 is returned.

Library – PowerLnk

ID#400073463 : solved problem, known since V3.00.90.14, solved since ARSG4_3.09.1_A03.09

pICECreate on POWERLINK V2 iCN

If, on a POWERLINK iCN station with a fixed size, copy tasks are created using pICECreate before the network MN is active, then when the MN becomes active, offsets are moved in the I/O mapping. As a result, the copy tasks created with pICECreate copy data from the wrong offsets.

Library – Standard

ID#400124801 : solved problem, known since ARSG4_3.09.13_M03.09, solved since ARSG4_3.09.14_N03.09

CONCAT returning incorrect result in certain cases

ID#400068854 : solved problem, known since ARSG4_3.07.4_D03.07, solved since ARSG4_3.09.2_B03.09

Error in string functions (LEFT, RIGHT, MID, CONCAT, INSERT, DELETE) can lead to incorrect data and buffer overrun.

Library – SYS_lib

ID#400088630 : solved problem, known since ARSG4_4.01.5_E04.01, solved since ARSG4_3.09.7_G03.09

The internal events that are triggered by the suspend and resume of tasks will not cause the warning 24807 anymore.

ID#400094324 : solved problem, known since ARSG4_3.09.4_D03.09, solved since ARSG4_3.09.7_G03.09

PV_xgetadr() doesn't work if task name >10 characters

ID#400078553 : solved problem, known since ARSG4_3.07.8_H03.07, solved since ARSG4_3.09.2_B03.09

TMP_suspend() and TMP_resume() cause a cycle time violation when used to often with insufficient time inbetween.

System – ANSL

ID#398965 : solved problem, known since ARSG4_4.08.25_Y04.08, solved since ARSG4_3.09.19_S03.09

Controller–Redundancy: [DOWNLOAD] – [POWERLINK] – Occasional failure to establish ANSL cross–communication

Details:

When establishing a connection for ANSL cross–communication after a download, in some cases not all variables for the connection are mapped correctly (Error 31683). The connection itself is okay.

Workaround:

Reestablish connection from client.

ID#400129077 : solved problem, known since VC 4.05.4, solved since ARSG4_3.09.18_R03.09

Missing data events when writing certain event variables (data type)

No data event is generated for certain data types (e.g. STRING) in certain circumstances (e.g. value overwritten by user task) if a write instruction is issued explicitly.

ID#400118102 : solved problem, known since ARSG4_4.02.17_Q04.02, solved since ARSG4_3.09.16_P03.09

When processing ANSL events (PV events, module events, etc.), objects are accessed that are not yet or no longer valid at this point in time.

ID#400107287 : solved problem, known since PVI4.0.14, solved since ARSG4_3.09.12_L03.09

Cannot change name of normal BR module when downloaded

If the name of a normal BR module is specified when downloading, it is not passed on to PVI by PviServices if it is a standard BR module (e.g. ConversionModes.BR).

ID#400105760 : solved problem, known since ARSG4_3.07.14_N03.07, solved since ARSG4_3.09.9_I03.09

Overloading tasks, which include variables that are used by a running VC terminal causes a page fault in AR or leads to a memory problem

ID#321550 : solved problem, known since ARSG4_3.09.7_G03.09, solved since ARSG4_3.09.9_I03.09

Cycle time violation of the I/O scheduler during download

ID# 400077189, 400081002, 400083485 : solved problem, known since ARSG4_3.08.22_V03.08, solved since ARSG4_3.09.2_B03.09

In rare cases a page fault occurs during ANSL.communication (_anslOnlRecvSvcData).

When using a VC project with bit masks for PVs, in rare cases a page fault occurs during ANSL communication.

ID#400077189 : solved problem, known since ARSG4_3.08.22_V03.08, solved since ARSG4_3.09.2_B03.09

In rare cases a page fault occurs during ANSL.communication (_anslOnlRecvSvcData).

When using a VC project with bit masks for PVs, in rare cases a page fault occurs during ANSL communication.

System – Firmware

ID#400077759 : solved problem, known since unbekannt, solved since ARSG4_3.09.1_A03.09

PP65: Miscellaneous error corrections in the Powerlink implementation

- 1) In controlled node mode, the I/O mapping was not applied when the manager was restarted.
- 2) The net time is not always transferred correctly to the application.
- 3) POWERLINK V2 CN mode: Frequent MN failures result in CPU going into Service mode.
- 4) When an iCN is used in the same POWERLINK network with a "Chained Station", there may be warnings 32168 in the logger. The reason for this warning is that the sync response frames that are used to measure the timing of the "Chained Station" are not recognized by the iCN.
- 5) If the Ready-Flag was canceled on the network, the ModuleOK was not cleared.

System – INA

ID#400085166 : solved problem, known since PVI3.00.00.3119, solved since ARSG4_3.09.8_H03.09

Variables can no longer be read via PVI/INA2000

ID#400078848 : solved problem, known since ARSG4_3.08.18_R03.08, solved since ARSG4_3.09.2_B03.09

INA communication over two different networks doesn't work

INA communication is not possible over two different networks (different subnets connected via gateways) if ARP frames aren't routed.

System – OPC

ID#400131463 : solved problem, known since ARSG4_3.09.11_K03.09, solved since ARSG4_3.09.17_Q03.09

OPC server no longer accepts connection after several cycles when clients do a hard power fail without proper disconnect.

ID#400127275 : solved problem, known since ARSG4_3.09.11_K03.09, solved since ARSG4_3.09.15_O03.09

Overload of OPC DA server after client deregistration as well

Registering too many client subscriptions (or registering them too quickly) on an OPC DA server (Classic OPC) resulted in system usage of 100%, which also was not reduced after the clients were deregistered.

ID#400124498 : solved problem, known since ARSG4_3.09.13_M03.09, solved since ARSG4_3.09.14_N03.09

AR OPC DA server not always updating value changes

If an OPC client writes a value to a PV, which is then changed again to a very similar value by a cyclic task shortly thereafter, it was possible that the registered subscriptions did not receive this value change.

ID#400112996 : solved problem, known since ARSG4_3.09.8_H03.09, solved since ARSG4_3.09.13_M03.09

Error 25314 – Page fault relating to AR OPC server and X20CP1485-1

ID#400106522 : solved problem, known since ARSG4_3.09.8_H03.09, solved since ARSG4_3.09.10_J03.09

AR OPC > Memory leak on target with continuous OPC DCOM Connect / Read / Disconnect operations

After the restructuring of OPC and DCOM in AR 3.09, the memory problem in the current AR version (reference Y3.09) no longer occurs (in contrast to J3.09). Testing took place on an X20CP3486 and on a PP400

ID#400098685 : solved problem, known since ARSG4_3.09.6_F03.09, solved since ARSG4_3.09.7_G03.09

AR OPC: Callback not sent for value changes after a "Write"

No notifications are sent to the client for subscribed items whose value is changed with an OPC "Write" task.

ID# 400045146, 400092705 : solved problem, known since ARSG4_3.01.4_D03.01, solved since ARSG4_3.09.7_G03.09

IOPCServer::RemoveGroup with bForce == TRUE doesn't work

When IOPCServer::RemoveGroup was called with the parameter bForce == TRUE and there were still references, then the group wasn't removed and an error code was returned. This appeared to result in a page fault. Now bForce==TRUE is handled correctly.

ID#400088880 : solved problem, known since ARSG4_3.09.4_D03.09, solved since ARSG4_3.09.6_F03.09

AR OPC server: Errors when writing strings

In some circumstances, the type information for VT_BSTR was not evaluated correctly – as a result, values were read back incorrectly after writing to a VT_BSTR tag. Page faults also occurred.

ID#400092707 : solved problem, known since ARSG4_3.09.4_D03.09, solved since ARSG4_3.09.15_O03.09

Overload of OPC DA server after client deregistration as well

Registering too many client subscriptions (or registering them too quickly) on an OPC DA server (Classic OPC) resulted in system usage of 100%, which also was not reduced after the clients were deregistered. SDM was no longer available.

System – USB Support

ID#400126326 : solved problem, known since ARSG4_4.02.19_S04.02, solved since ARSG4_3.09.14_N03.09

USB transponder driver

USB transponder drive correction (mutex problem)

ID#400113917 : solved problem, known since ARSG4_3.09.11_K03.09, solved since ARSG4_3.09.14_N03.09

Detecting the "Kingston DataTraveler 4 GB" flash drive

Error handling in the USB EHCI driver has been updated for the "Kingston DataTraveler 4 GB" flash drive.

ID#400101362 : solved problem, known since ARSG4_3.09.7_G03.09, solved since ARSG4_3.09.8_H03.09

USB RFID reader 5E9010.29 missing characters

When using the RFID reader, not all characters are read from the chip.

ID#400087751 : solved problem, known since ARSG4_3.09.3_C03.09, solved since ARSG4_3.09.7_G03.09

USB EHCI activated for AR105 (APC/PPC) targets

USB EHCI /USB 2.0 activated for AR105 (APC/PPC) targets.

ID#400151431 : new function since ARSG4_3.09.22_V03.09

5E9020.29 USB transponder

Extended support for 5E9020.29 USB transponder.

System – WebServer

ID#400100962 : solved problem, known since ARSG4_3.09.8_H03.09, solved since ARSG4_3.09.10_J03.09

NULL pointer exception

sdarLibPvRead and sdarLibPvWrite are checked for a null pointer exception. ERR_EXC_NIL_POINTER is returned in the event of a NULL pointer of a dynamic PV.