

**B&R Revision Information**

**VisualComponents SG4 Runtime Upgrade 3.96.4**

**07-Jul-2015**

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# B&R Revision Information (07.07.2015)

## VisualComponents SG4 Runtime Upgrade 3.96.4

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

### Contents

- [Requests and problems by version](#)
- [Requests and problems by product/component](#)

### Requests and problems by version

ID	valuation	solved since	known since	Description
<a href="#">400071755</a>	Problem	–	VC 3.73.4	Panel not reinitialized after a lost connection
<a href="#">400112360</a>	New function	VC 3.96.1	VC 4.05.1	Function for reading the limits of a data point
<a href="#">400153604</a>	Problem	VC 3.96.4	VC 3.96.3	Page change in VC 3.96.3 with AR C4.01 incredibly slow
<a href="#">400115430</a>	Problem	VC 3.96.4	V3.00.90.30 SP0x	Guaranteed correct initialization sequence of visapi and viscomp modules VC3 handle is returned.
<a href="#">400131837</a>	Problem	VC 3.96.3	VC 4.05.6	Continuous user trend fluctuations with SampleRate <1 (milliseconds not taken into account on display)
<a href="#">400129423</a>	Problem	VC 3.96.3	VC 3.96.2	Special characters not displayed on panel 4B1270.00–K36.
<a href="#">400133833</a>	Problem	VC 3.96.3	VC 3.96.2	Trend > Scale > Scroll > Mode Factor, faulty time specified after scrolling
<a href="#">400133833</a>	Problem	VC 3.96.3	VC 3.96.2	VC4 > Trend > Scale > Zoom > Span mode – TimeSpanDatapoint overflow
<a href="#">400128245</a>	Problem	VC 3.96.3	VC 3.96.2	Page fault if trend data (trend curve) configured multiple times in a trend
<a href="#">400121179</a>	Problem	VC 3.96.3	VC 3.96.1	VC4 > Trend time drifting with respect to system time
<a href="#">400123606</a>	Problem	VC 3.96.3	VC 3.96.1	Trend > ValueScale > MinValue = 0, MaxValue = 0.6–0.9 > Values not displayed
<a href="#">400101336</a>	Problem	VC 3.96.3	VC 3.95.7	Rounding errors visible between time scale and value if the number of displayed values (<50) is reduced
<a href="#">400087974</a> <a href="#">400050060</a> <a href="#">400028969</a>	Problem	VC 3.96.3	VC 3.95.5	Overflow when synchronizing the trend with the system clock if Sample Rate > 32535
<a href="#">400087974</a> <a href="#">400050060</a> <a href="#">400124149</a> <a href="#">400125253</a>	Problem	VC 3.96.3	VC 3.95.5	Overflow when synchronizing the trend with the system clock if Sample Rate > 32535
<a href="#">400081836</a> <a href="#">400083464</a>	Problem	VC 3.96.3	VC 3.95.3	Trend updated too often and CPU load at 100% when setting AutomaticScrollOffset to 0
<a href="#">400078084</a> <a href="#">400091350</a> <a href="#">400139741</a>	Problem	VC 3.96.3	VC 3.95.0	Value change in user trend data causing reset of zoom settings
<a href="#">400125616</a>	Problem	VC 3.96.3	V3.00.90.27 SP0x	Possible to trigger any key functions when using extension keys with handwheel (using the handwheel), such as the 5AC800.EXT1–K02
<a href="#">400124119</a>	New function	VC 3.96.3	nicht relevant	Trend > ValueScale > MaxValue= 9–6, unnecessary decimal places (since always zero) displayed
<a href="#">400122618</a> <a href="#">400122696</a> <a href="#">400125727</a>	Problem	VC 3.96.2	VC 3.96.1	VC4 > Trend (type: Online): Relative time displayed beginning with 0 on the time axis (should be current time)
<a href="#">400115707</a>	Problem	VC 3.96.2	VC 3.96.0	VC3 > VA_SetBrightness / VA_SetContrast adding the 0 character (ASCII 0x30) to the text field until the end of the line if one of the functions is called with the value 100
<a href="#">400119167</a> <a href="#">400119471</a> <a href="#">400125693</a>	Problem	VC 3.96.2	VC 3.96.0	Corrected page fault when changing the line in the alarm list several times
<a href="#">400116902</a>	Problem	VC 3.96.2	VC 3.96.0	Switching pages sometimes resulting in page fault when using VC_Saccess / VC_Srelease in several user programs
<a href="#">400118912</a>	Problem	VC 3.96.2	VC 3.96.0	System pushed to the limit with VNC visualization with large trend, small sample rate and 32-bit color depth
<a href="#">400116355</a>	Problem	VC 3.96.2	VC 3.95.9	GET_CONTRAST request handled in display driver
<a href="#">400116355</a>	Problem	VC 3.96.2	VC 3.95.9	VA_GetBrightness() function implemented
<a href="#">400117729</a>	Problem	VC 3.96.2	VC 3.95.9	VC4 TargetResourceRoot > Error replacing texts (individual texts are not replaced)
<a href="#">400112317</a>	New function	VC 3.96.1	VC 4.05.1	Request > Vclib > Getting limits of a numerical input field
<a href="#">400116721</a> <a href="#">400119206</a>	Problem	VC 3.96.1	VC 3.95.9	Trend control (Type: User) shows current time on time scale axis if no SampleDateTimeDatapoint is connected.
<a href="#">400115140</a> <a href="#">400119471</a>	Problem	VC 3.96.1	VC 3.95.8	Page fault when using VA_TextOut extensively
<a href="#">400114025</a>	Problem	VC 3.96.1	VC 3.95.8	SXGA resolution 1280 x 1024 with 32-bit color depth now supported
<a href="#">400106404</a>	Problem	VC 3.96.1	VC 3.95.6	Invalid value in pv-description field
<a href="#">400082576</a>	Problem	VC 3.96.1	VC 3.95.3	Status of LEDs on the MP50 not updated on lost connection
<a href="#">400108187</a>	Problem	VC 3.95.9	VC 3.95.8	Errorhandling width VcScrSht is important
<a href="#">400110961</a>	Problem	VC 3.95.9	VC 3.95.8	Full HD resolution is scaled on the APC810 GM45 CPU when operated on an AP830 display.
<a href="#">400110682</a>	Problem	VC 3.95.9	VC 3.95.8	VA_GetTouchAction hangs at status 1 (pressed) randomly when send event is delayed.
<a href="#">400109703</a>	Problem	VC 3.95.9	VC 3.95.8	Exception when switching from terminal to administrator mode if ARwin is selected in the VC Windows terminal but no boot loader is configured
<a href="#">400101767</a>	Problem	VC 3.95.9	VC 3.95.7	VCresman violated protected memory after restarting an HMI application. This error occurred if notifications of DP changes for the previous HMI application were not sent. This behavior

				has been corrected.
<a href="#">400104823</a>	Problem	VC 3.95.9	VC 3.95.6	Memory error when writing calibration data
<a href="#">400106379</a>	Problem	VC 3.95.9	VC 3.95.6	Bitmap with FillArea at position Left=-1 and Top=-1 causes PF (this faulty configuration can occur when replacing bitmaps).
<a href="#">400111493</a>	Problem	VC 3.95.9	V3.00.90.25 SP0x	Hotspot catch release event when NumPad (overlay) is closed
<a href="#">400106979</a>	Problem	VC 3.95.9	V3.00.90.24 SP0x	VC4 > Switching to trend page with disabled TrendValueScales (disabled by Runtime->StatusDatapoint) causes a page fault.
<a href="#">400109716</a>	Problem	VC 3.95.9	V3.00.90.24 SP0x	VC4 > EditControl "Delete" command on the first line causes a page fault
<a href="#">400107408</a>	Problem	VC 3.95.9	V3.00.90.24 SP0x	With the password control, the "HasFocus" flag is set in the status register although the control has been hidden with the "Hide" bit.
<a href="#">400107392</a>	Problem	VC 3.95.9	V3.00.90.24 SP0x	VC4 > Alarm > WrapMode Endless causes PageFault after scrolling and ack one alarm
<a href="#">400103303</a>	Problem	VC 3.95.8	VC 3.95.7	Repeated downloads of visualization cause warning 28715 (unable to create Rtk object)
<a href="#">400102814</a>	Problem	VC 3.95.8	VC 3.95.7	Stack overflow when text snippets work with pos. or neg. infinity values for the float and double types
<a href="#">400100072</a>	Problem	VC 3.95.8	VC 3.95.7	Error when setting the Numeric control to "Hide" with the touchpad during input
<a href="#">400102666</a>	Problem	VC 3.95.8	VC 3.95.7	Selecting the rotated image has been corrected.
<a href="#">400097156</a>	Problem	VC 3.95.8	VC 3.95.6	Key matrix resets properly after PLC restart now.
<a href="#">400091811</a>	Problem	VC 3.95.8	VC 3.95.6	XGA resolution on an external monitor now working with APC510/511, APC620 and APC810
<a href="#">400101146</a>	Problem	VC 3.95.8	VC 3.95.6	If a DP is connected to several user trends, they are not displayed correctly.
<a href="#">400087761</a>	Problem	VC 3.95.8	VC 3.95.5	VA_GetAlarmCount returns the wrong value for vaALS_NOTACKNOWLEDGED
<a href="#">400065496</a> <a href="#">400082552</a>	Problem	VC 3.95.8	VC 3.73.0	Alarms set to Acknowledge=Required, are still shown in the active alarm list even if they are already inactive.
<a href="#">400105632</a>	Problem	VC 3.95.8	V3.00.90.24 SP0x	Errors in trend display if two or more independent trends are configured on one time scale
<a href="#">400092481</a> <a href="#">400097097</a>	Problem	VC 3.95.7	VC 3.95.6	FB BatteryInfo doesn't work for APC810. HwGetBattStatus(2) must be used.
<a href="#">400089532</a>	Problem	VC 3.95.7	VC 3.95.6	VC does not yet support APC51x devices
<a href="#">400097367</a>	Problem	VC 3.95.7	VC 3.95.6	Changing pages while saving causes a "deadlock" (visualization freezes).
<a href="#">400094505</a>	Problem	VC 3.95.7	VC 3.95.6	Trend grid background shown even though layer is hidden using status data point
<a href="#">400093073</a>	Problem	VC 3.95.7	VC 3.95.5	24x PW35 on X2X don't work fully
<a href="#">400085328</a>	Problem	VC 3.95.7	VC 3.95.5	Trend -> CursorTime data points on the TrendTime scale are not scaled.
<a href="#">400088591</a> <a href="#">400089914</a>	Problem	VC 3.95.7	VC 3.95.5	Considerable performance increase with VC optimization // Difference between WinXP and Win7 is only subjective
<a href="#">400082027</a>	Problem	VC 3.95.7	VC 3.95.3	Bitmap display -> Page fault at page change when VNC client is connected
<a href="#">400086001</a>	Problem	VC 3.95.7	VC 3.95.3	Page fault when the VA_SetBrightness function is called on a VCWT
<a href="#">400080579</a> <a href="#">400082643</a>	Problem	VC 3.95.7	VC 3.95.0	VC_CopyMemoryToScreen only copies parts of the specified area when the display is rotated by 90°   270°
<a href="#">400079372</a>	Problem	VC 3.95.7	VC 3.95.0	When the "insert" command is used to insert a text at the end, subsequent input in the Edit control is faulty.
<a href="#">400096559</a>	New function	VC 3.95.7	VC 3.73.4	An error in the configuration of the default language causes the terminal target to freeze at 100% during booting.
<a href="#">400094705</a>	Problem	VC 3.95.7	V3.00.90.22 SP0x	APC51x not supported by VC
<a href="#">400087835</a> <a href="#">400087699</a>	Problem	VC 3.95.6	VC 3.95.5	Transfer error when VA_GetActiveAlarmCount or VA_GetAlarmCount are called in a user task
<a href="#">400083646</a>	Problem	VC 3.95.6	VC 3.95.3	Internal VC4 IP address data point not shown for X2CP1485 CPUs
<a href="#">400083204</a>	Problem	VC 3.95.6	VC 3.95.3	Error in VA_AIGetCurPos on the terminal when changing the page
<a href="#">400077803</a> <a href="#">400092481</a>	Problem	VC 3.95.6	VC 3.95.0	FB BatteryInfo doesn't work for APC810. HwGetBatteryInfo must be used.
<a href="#">400077340</a>	Problem	VC 3.95.6	VC 3.95.0	With a very small string control (ControlWidth < CharWidth) and TextLengthOverrun Cut = True the program runs in an endless loop (100% usage)
<a href="#">400081712</a>	Problem	VC 3.95.6	ARSG4_4.00.16_P04.00	Problems with ARwin in Windows 7 when firewall is on
<a href="#">400083974</a>	Problem	VC 3.95.5	VC 3.95.4	Error saving the brightness/contrast settings in the file VcData if there is no touch screen calibration data.
<a href="#">400082098</a>	Problem	VC 3.95.5	VC 3.95.3	VC Windows Terminal: Unhandled exception after reinstall
<a href="#">400082207</a>	Problem	VC 3.95.5	VC 3.35.4	Date/Time display in the Alarm control doesn't release internal memory for empty format string.
<a href="#">400075434</a>	Problem	VC 3.95.4	VC 3.95.3	VC ProjectLoader freezes or crashes when a visualization application is loaded
<a href="#">400080360</a>	Problem	VC 3.95.4	VC 3.95.3	Loading BR modules to the terminal freezes (progress bar stops at x%) or the loaded BR modules are defective
<a href="#">400078529</a>	Problem	VC 3.95.4	VC 3.95.0	Error in repaint
<a href="#">400079295</a>	Problem	VC 3.95.4	VC 3.95.0	When the IPAddress data point is written cyclically, the touch pad keeps closing
<a href="#">400076230</a>	Problem	VC 3.95.4	VC 3.95.0	Incorrect display in DropDown control
<a href="#">400071755</a>	Problem	VC 3.95.4	VC 3.73.4	Panel behind a bus controller sometimes not initialized after a power failure or a lost bus connection
<a href="#">400078627</a>	Problem	VC 3.95.3	VC 3.95.0	Version number of VC3 modules not displayed correctly
<a href="#">400075846</a> <a href="#">400085347</a>	Problem	VC 3.95.3	VC 3.95.0	Touch screen calibration is imprecise on PP500 series devices.
<a href="#">400077222</a> <a href="#">400078545</a>	Problem	VC 3.95.2	VC 3.95.0	Error when text is loaded from a text file with only one entry
<a href="#">400078613</a>	Problem	VC 3.95.2	ARSG4_4.00.22_V04.00	When running ARwin on a PP500, setting a PP500 as the terminal causes a Windows blue screen.
<a href="#">400061529</a>	Problem	VC 3.95.1	V3.00.90.16	After communication with the terminal is interrupted, VA_GetTextByTextgroup returns the status 7000.
<a href="#">400073709</a>	Problem	VC 3.95.1	-	If the IP address of the terminal is defined via the terminal data object or via the AR config, there is a boot error when opening the program netsg.exe

<a href="#">400116902</a> <a href="#">400134321</a>	Problem	–	VC 3.96.2	Switching pages sometimes resulting in page fault when using VC_Saccess / VC_Srelease in several user programs
<a href="#">400136544</a>	Problem	–	VC 3.96.2	Interrupted connection without a configured LifeSign data point not detected
<a href="#">400155457</a>	Problem	–	VC 3.95.5	Calling VcScrSht library cyclically causing freeze of visualization application
<a href="#">203224</a>	New function	–	V3.0.71.27 SP04	Terminal mode via POWERLINK

## Requests and problems by product/component

### X20BC0083

#### Firmware

ID#400071755 : known problem since VC 3.73.4

Panel not reinitialized after a lost connection

If a panel on the X2X bus is being controlled by a bus controller and loses a connection, then an error occurs during the subsequent reinitialization.

### 1A4300.02 (1.0 Automation Studio 3.x)

#### VisualComponents Editor – VC4

ID#400112360 : new function since VC 3.96.1

Function for reading the limits of a data point

### 1A4000.02 Visual Components

#### Libraries

ID#400116355 : solved problem, known since VC 3.95.9, solved since VC 3.96.2

GET\_CONTRAST request handled in display driver

ID#400116355 : solved problem, known since VC 3.95.9, solved since VC 3.96.2

VA\_GetBrightness() function implemented

ID#400115707 : solved problem, known since VC 3.96.0, solved since VC 3.96.2

VC3 > VA\_SetBrightness / VA\_SetContrast adding the 0 character (ASCII 0x30) to the text field until the end of the line if one of the functions is called with the value 100

ID#400108187 : solved problem, known since VC 3.95.8, solved since VC 3.95.9

Errorhandling width VcScrSht is important

If the ScreenShot() FUB of VcScrSht library returns an error and the error is not caught correctly by the user task, an Error 25062 Memory not in heap will occur.

ID#400104823 : solved problem, known since VC 3.95.6, solved since VC 3.95.9

Memory error when writing calibration data

An error in the implementation causes a memory leak when writing calibration data. This error can take up the entire memory after a certain amount of time when calling e.g. VA\_SetBrightness() cyclically.

ID#400106404 : solved problem, known since VC 3.95.6, solved since VC 3.96.1

Invalid value in pv-description field

When writing the parameter, random values are applied and saved in the event.

ID#400087761 : solved problem, known since VC 3.95.5, solved since VC 3.95.8

VA\_GetAlarmCount returns the wrong value for vaALS\_NOTACKNOWLEDGED

ID#400078627 : solved problem, known since VC 3.95.0, solved since VC 3.95.3

Version number of VC3 modules not displayed correctly

ID#400112317 : new function since VC 3.96.1

Request > Vclib > Getting limits of a numerical input field

Request > Vclib > Getting limits of a numerical input field

#### SG3 Runtime

ID#400129423 : solved problem, known since VC 3.96.2, solved since VC 3.96.3

Special characters not displayed on panel 4B1270.00–K36.

ID#400097156 : solved problem, known since VC 3.95.6, solved since VC 3.95.8

Key matrix resets properly after PLC restart now.

ID#400093073 : solved problem, known since VC 3.95.5, solved since VC 3.95.7

24x PW35 on X2X don't work fully

ID#400071755 : solved problem, known since VC 3.73.4, solved since VC 3.95.4

Panel behind a bus controller sometimes not initialized after a power failure or a lost bus connection

#### **SG4 – Common**

ID# 400075846, 400085347 : solved problem, known since VC 3.95.0, solved since VC 3.95.3

Touch screen calibration is imprecise on PP500 series devices.

The deviation is most pronounced towards the top left and gets better as you move towards the bottom right.

#### **SG4 Compiler**

ID#400096559 : new function since VC 3.95.7

An error in the configuration of the default language causes the terminal target to freeze at 100% during booting.

An error in the configuration of the default language causes the terminal target to freeze at 100% during booting. The visualization isn't started.

#### **SG4 Runtime – Alarmsystem**

ID# 400119167, 400119471, 400125693 : solved problem, known since VC 3.96.0, solved since VC 3.96.2

Corrected page fault when changing the line in the alarm list several times

ID# 400092481, 400097097 : solved problem, known since VC 3.95.6, solved since VC 3.95.7

FB BatteryInfo doesn't work for APC810. HwGetBattStatus(2) must be used.

ID# 400077803, 400092481 : solved problem, known since VC 3.95.0, solved since VC 3.95.6

FB BatteryInfo doesn't work for APC810. HwGetBatteryInfo must be used.

ID# 400065496, 400082552 : solved problem, known since VC 3.73.0, solved since VC 3.95.8

Alarms set to Acknowledge=Required, are still shown in the active alarm list even if they are already inactive.

#### **SG4 Runtime – Common**

ID#400153604 : solved problem, known since VC 3.96.3, solved since VC 3.96.4

Page change in VC 3.96.3 with AR C4.01 incredibly slow

ID#400115430 : solved problem, known since V3.00.90.30 SP0x, solved since VC 3.96.4

Guaranteed correct initialization sequence of visapi and viscomp modules VC3 handle is returned.

ID#400116902 : solved problem, known since VC 3.96.0, solved since VC 3.96.2

Switching pages sometimes resulting in page fault when using VC\_Saccess / VC\_Srelease in several user programs

ID#400117729 : solved problem, known since VC 3.95.9, solved since VC 3.96.2

VC4 TargetResourceRoot > Error replacing texts (individual texts are not replaced)

ID# 400115140, 400119471 : solved problem, known since VC 3.95.8, solved since VC 3.96.1

Page fault when using VA\_TextOut extensively

ID#400114025 : solved problem, known since VC 3.95.8, solved since VC 3.96.1

SXGA resolution 1280 x 1024 with 32-bit color depth now supported

ID#400110961 : solved problem, known since VC 3.95.8, solved since VC 3.95.9

Full HD resolution is scaled on the APC810 GM45 CPU when operated on an AP830 display.

ID#400110682 : solved problem, known since VC 3.95.8, solved since VC 3.95.9

VA\_GetTouchAction hangs at status 1 (pressed) randomly when send event is delayed.

ID#400106979 : solved problem, known since V3.00.90.24 SP0x, solved since VC 3.95.9

VC4 > Switching to trend page with disabled TrendValueScales (disabled by Runtime-->StatusDatapoint) causes a page fault.

ID#400103303 : solved problem, known since VC 3.95.7, solved since VC 3.95.8

Repeated downloads of visualization cause warning 28715 (unable to create Rtk object)

ID#400102814 : solved problem, known since VC 3.95.7, solved since VC 3.95.8

Stack overflow when text snippets work with pos. or neg. infinity values for the float and double types

ID#400101767 : solved problem, known since VC 3.95.7, solved since VC 3.95.9

VCresman violated protected memory after restarting an HMI application. This error occurred if notifications of DP changes for the previous HMI application were not sent. This behavior has been corrected.

ID#400101336 : solved problem, known since VC 3.95.7, solved since VC 3.96.3

Rounding errors visible between time scale and value if the number of displayed values (<50) is reduced

ID#400091811 : solved problem, known since VC 3.95.6, solved since VC 3.95.8

XGA resolution on an external monitor now working with APC510/511, APC620 and APC810

ID#400089532 : solved problem, known since VC 3.95.6, solved since VC 3.95.7

VC does not yet support APC51x devices

ID# 400087835, 400087699 : solved problem, known since VC 3.95.5, solved since VC 3.95.6

Transfer error when VA\_GetActiveAlarmCount or VA\_GetAlarmCount are called in a user task

ID#400083646 : solved problem, known since VC 3.95.3, solved since VC 3.95.6

Internal VC4 IP address data point not shown for X2CP1485 CPUs

ID#400082027 : solved problem, known since VC 3.95.3, solved since VC 3.95.7

Bitmap display → Page fault at page change when VNC client is connected

ID# 400080579, 400082643 : solved problem, known since VC 3.95.0, solved since VC 3.95.7

VC\_CopyMemoryToScreen only copies parts of the specified area when the display is rotated by 90° | 270°

ID# 400077222, 400078545 : solved problem, known since VC 3.95.0, solved since VC 3.95.2

Error when text is loaded from a text file with only one entry

ID#400155457 : known problem since VC 3.95.5

Calling VcScrSht library cyclically causing freeze of visualization application

ID# 400116902, 400134321 : known problem since VC 3.96.2

Switching pages sometimes resulting in page fault when using VC\_Success / VC\_Srelease in several user programs

#### SG4 Runtime – Controls

ID#400133833 : solved problem, known since VC 3.96.2, solved since VC 3.96.3

Trend > Scale > Scroll > Mode Factor, faulty time specified after scrolling

ID#400133833 : solved problem, known since VC 3.96.2, solved since VC 3.96.3

VC4 > Trend > Scale > Zoom > Span mode – TimeSpanDatapoint overflow

ID#400121179 : solved problem, known since VC 3.96.1, solved since VC 3.96.3

VC4 > Trend time drifting with respect to system time

ID#400131837 : solved problem, known since VC 4.05.6, solved since VC 3.96.3

Continuous user trend fluctuations with SampleRate <1 (milliseconds not taken into account on display)

ID#400128245 : solved problem, known since VC 3.96.2, solved since VC 3.96.3

Page fault if trend data (trend curve) configured multiple times in a trend

ID#400123606 : solved problem, known since VC 3.96.1, solved since VC 3.96.3

Trend > ValueScale > MinValue = 0, MaxValue = 0.6–0.9 > Values not displayed

ID# 400122618, 400122696, 400125727 : solved problem, known since VC 3.96.1, solved since VC 3.96.2

VC4 > Trend (type: Online): Relative time displayed beginning with 0 on the time axis (should be current time)

This error results from the correction of A&P 346060.

ID# 400116721, 400119206 : solved problem, known since VC 3.95.9, solved since VC 3.96.1

Trend control (Type: User) shows current time on time scale axis if no SampleDateTimeDatapoint is connected.

ID#400111493 : solved problem, known since V3.00.90.25 SP0x, solved since VC 3.95.9

Hotspot catch release event when NumPad (overlay) is closed

ID#400109716 : solved problem, known since V3.00.90.24 SP0x, solved since VC 3.95.9

VC4 > EditControl "Delete" command on the first line causes a page fault

ID#400107408 : solved problem, known since V3.00.90.24 SP0x, solved since VC 3.95.9

With the password control, the "HasFocus" flag is set in the status register although the control has been hidden with the "Hide" bit.

ID#400107392 : solved problem, known since V3.00.90.24 SP0x, solved since VC 3.95.9

VC4 > Alarm > WrapMode Endless causes PageFault after scrolling and ack one alarm

ID#400105632 : solved problem, known since V3.00.90.24 SP0x, solved since VC 3.95.8

Errors in trend display if two or more independent trends are configured on one time scale

ID#400101146 : solved problem, known since VC 3.95.6, solved since VC 3.95.8

If a DP is connected to several user trends, they are not displayed correctly.

ID#400100072 : solved problem, known since VC 3.95.7, solved since VC 3.95.8

Error when setting the Numeric control to "Hide" with the touchpad during input

ID#400097367 : solved problem, known since VC 3.95.6, solved since VC 3.95.7

Changing pages while saving causes a "deadlock" (visualization freezes).

ID# 400087974, 400050060, 400028969 : solved problem, known since VC 3.95.5, solved since VC 3.96.3

Overflow when synchronizing the trend with the system clock if Sample Rate > 32535

ID#400094505 : solved problem, known since VC 3.95.6, solved since VC 3.95.7

Trend grid background shown even though layer is hidden using status data point

ID#400085328 : solved problem, known since VC 3.95.5, solved since VC 3.95.7

Trend -> CursorTime data points on the TrendTime scale are not scaled.

ID# 400087974, 400050060, 400124149, 400125253 : solved problem, known since VC 3.95.5, solved since VC 3.96.3

Overflow when synchronizing the trend with the system clock if Sample Rate > 32535

ID#400082207 : solved problem, known since VC 3.35.4, solved since VC 3.95.5

Date/Time display in the Alarm control doesn't release internal memory for empty format string.

ID# 400081836, 400083464 : solved problem, known since VC 3.95.3, solved since VC 3.96.3

Trend updated too often and CPU load at 100% when setting AutomaticScrollOffset to 0

ID#400079372 : solved problem, known since VC 3.95.0, solved since VC 3.95.7

When the "insert" command is used to insert a text at the end, subsequent input in the Edit control is faulty.

ID# 400078084, 400091350, 400139741 : solved problem, known since VC 3.95.0, solved since VC 3.96.3

Value change in user trend data causing reset of zoom settings

ID#400078529 : solved problem, known since VC 3.95.0, solved since VC 3.95.4

Error in repaint

In some cases, the time axis is not redrawn

ID#400079295 : solved problem, known since VC 3.95.0, solved since VC 3.95.4

When the IPAddress data point is written cyclically, the touch pad keeps closing

When the IPAddress data point is written cyclically, the page is refreshed every time (like when switching languages). In the process, all touch pads (overlays) are closed.

Workaround: Only write the IPAddress data point when its value has changed.

ID#400077340 : solved problem, known since VC 3.95.0, solved since VC 3.95.6

With a very small string control (ControlWidth < CharWidth) and TextLengthOverrun Cut = True the program runs in an endless loop (100% usage)

ID#400076230 : solved problem, known since VC 3.95.0, solved since VC 3.95.4

Incorrect display in DropDown control

ID#400124119 : new function since VC 3.96.3

Trend > ValueScale > MaxValue= 9-6, unnecessary decimal places (since always zero) displayed

#### **SG4 Runtime – Keyhandling**

ID#400125616 : solved problem, known since V3.00.90.27 SP0x, solved since VC 3.96.3

Possible to trigger any key functions when using extension keys with handwheel (using the handwheel), such as the 5AC800.EXT1-K02

ID#400094705 : solved problem, known since V3.00.90.22 SP0x, solved since VC 3.95.7

APC51x not supported by VC

#### **SG4 Runtime – TerminalMode**

ID#400109703 : solved problem, known since VC 3.95.8, solved since VC 3.95.9



Exception when switching from terminal to administrator mode if ARwin is selected in the VC Windows terminal but no boot loader is configured

ID#400106379 : solved problem, known since VC 3.95.6, solved since VC 3.95.9

Bitmap with FillArea at position Left=-1 and Top=-1 causes PF (this faulty configuration can occur when replacing bitmaps).

ID#400102666 : solved problem, known since VC 3.95.7, solved since VC 3.95.8

Selecting the rotated image has been corrected.

ID# 400088591, 400089914 : solved problem, known since VC 3.95.5, solved since VC 3.95.7

Considerable performance increase with VC optimization // Difference between WinXP and Win7 is only subjective

ID#400086001 : solved problem, known since VC 3.95.3, solved since VC 3.95.7

Page fault when the VA\_SetBrightness function is called on a VCWT

ID#400083974 : solved problem, known since VC 3.95.4, solved since VC 3.95.5

Error saving the brightness/contrast settings in the file VcData if there is no touch screen calibration data.

When the brightness/contrast are changed, the new setting is saved in the file VcData. With an embedded target, this file also contains the touch screen calibration data. For a VCWT there is no touch screen calibration data (calibration is performed in Windows), an error occurs when saving the touch calibration data.

ID#400083204 : solved problem, known since VC 3.95.3, solved since VC 3.95.6

Error in VA\_AIGetCurPos on the terminal when changing the page

ID#400075434 : solved problem, known since VC 3.95.3, solved since VC 3.95.4

VC ProjectLoader freezes or crashes when a visualization application is loaded

ID#400082098 : solved problem, known since VC 3.95.3, solved since VC 3.95.5

VC Windows Terminal: Unhandled exception after reinstall

If the VC Windows terminal packet is uninstalled and reinstalled in a different directory, an exception is thrown in the VC target configurator when you switch to the "Log" tab.

ID#400080360 : solved problem, known since VC 3.95.3, solved since VC 3.95.4

Loading BR modules to the terminal freezes (progress bar stops at x%) or the loaded BR modules are defective

ID#400078613 : solved problem, known since ARSG4\_4.00.22\_V04.00, solved since VC 3.95.2

When running ARwin on a PP500, setting a PP500 as the terminal causes a Windows blue screen.

ID#400061529 : solved problem, known since V3.00.90.16, solved since VC 3.95.1

After communication with the terminal is interrupted, VA\_GetTextByTextgroup returns the status 7000.

ID#400073709 : solved problem, known since , solved since VC 3.95.1

If the IP address of the terminal is defined via the terminal data object or via the AR config, there is a boot error when opening the program netsg.exe

ID#203224 :

Terminal mode via POWERLINK

ID#400136544 : known problem since VC 3.96.2

Interrupted connection without a configured LifeSign data point not detected

#### **SG4 Runtime – VNC**

ID#400118912 : solved problem, known since VC 3.96.0, solved since VC 3.96.2

System pushed to the limit with VNC visualization with large trend, small sample rate and 32-bit color depth

ID#400082576 : solved problem, known since VC 3.95.3, solved since VC 3.96.1

Status of LEDs on the MP50 not updated on lost connection

ID# 400081712 : solved problem, known since ARSG4\_4.00.16\_P04.00, solved since VC 3.95.6

Problems with ARwin in Windows 7 when firewall is on

In order to avoid ARwin communication problems in Windows 7, the Windows Firewall must be disabled for the "Realtime OS Virtual Network interface.