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B&R Revision Information (21.05.2019) VisualComponents SG4 Runtime 4.45.1

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Requests and problems by version

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Requests and problems by product/component

1A4000.02 Visual Components

**Libraries**

ID#400222084 : solved problem, known since VC 4.33.0, solved since VC 4.41.0

VcScrSht returning error 20798 for no apparent reason

**SG4 Runtime – Alarmsystem**

ID#400271954 : solved problem, known since VC 4.45.0, solved since VC 4.45.1

VISAPI VA_Saccess returning status Busy (7000) at high alarm system load

Error behavior:
Due to an error in the area of the Visual Components VC4 Runtime, it is possible that access to the HMI application using VISAPI function VA_Saccess is no longer possible. The function always returns status 7000 (Busy) in the event of an error.

In addition, it is possible that the HMI application freezes. The likelihood that the error occurs increases if there is high utilization of the alarm system, e.g. by continuous fast reading of the alarm history (VA_GetExAlarmList).

Error correction:
Error corrected in new VC Runtime version.

Workaround:
A workaround is not possible.

ID#400231268 : solved problem, known since VC 4.33.0, solved since VC 4.41.0

Empty alarm line displayed

Error behavior:
If there is no alarm to display, the alarm control shows an empty line with the configured background color. This error behavior only manifests itself if the alarm control is shown transparently with a transparent border.

Error correction:
Error corrected in new VC Runtime version.

Workaround:
A workaround is not possible.

ID#400224040 : solved problem, known since VC 4.06.2, solved since VC 4.41.0

VC Windows Terminal: Missing alarms during continuous alarm generation

Error behavior:
Due to an error involving the alarm system, alarms may not be displayed in VC Windows Terminal HMI applications.

Error correction:
Error corrected in new VC Runtime version.

Workaround:
All alarms are displayed correctly after a page switch.

ID#400223280 : solved problem, known since VC 4.26.3, solved since VC 4.41.0

Center alignment for some non-text column types not working in alarm control

**SG4 Runtime – Common**

ID#400266650 : solved problem, known since VC 4.3.x, solved since VC 4.45.1

Panel buttons on SDL interface not working if a Mobile Panel is configured with buttons

Error behavior:
Due to incorrect initialization, the keys of an Automation Panel configured in VC4 do not work on the SDL interface if a Mobile Panel is configured in the Automation Studio project.
Warning 28715 "Unable to create Rtk object (ASCII data 'VCKeyRefresh#0')" is entered in the logbook.

Error correction:
A workaround is not possible.

ID#400256836 : solved problem, known since VC 4.44.0, solved since VC 4.45.0

Error 11022: ANSL communication abort when transferring changes

Error correction:
Error corrected in new VC runtime version

ID#588560 : solved problem, known since VC 4.44.0, solved since VC 4.44.0

Exception page fault (25314) when displaying a trend control if no trend data configured

Error correction:
Bug fix in new VC Runtime version.

ID#400228974 : solved problem, known since VC 4.26.5, solved since VC 4.45.0

Transferring changes in HMI application not working in combination with specific touch controller firmware

Error correction:
Error corrected in new VC Runtime version.

ID#583570 : solved problem, known since VC 4.44.0, solved since VC 4.44.0

VC Windows Terminal not showing value for Internal.Temperature.CPU data point on xPC3100 devices

Error correction:
A workaround is not possible.
Configure the trend control correctly.

ID#562560 : solved problem, known since VC 4.41.0, solved since VC 4.42.0
Error 25314 (page fault) when transferring changes to ARsim if VNC connection exists
An error in VC Runtime causes ARsim to crash with a page fault exception (error 25314) if changes in the
HMI application are transferred to the target system while there is an existing VNC connection to the HMI
application.
Workaround: The error does not occur if the VNC connection is closed before the transfer.

ID#562490 : solved problem, known since VC 4.41.0, solved since VC 4.43.0
VC4-based HMI application no longer starting after transferring changes to shared resources
Error description: If changes made in the area of shared resources are transferred to the target system,
the HMI application no longer starts in some cases. The display remains black. Warning 28772 with ASCII
data "Unable to initialize scalinggro" is listed in the logbook.
Error correction: Error corrected in new VC4 Runtime version.
Workaround: Warm restart the target system after transfer.

ID#400230963 : solved problem, known since VC 4.26.6, solved since VC 4.41.0
Page fault 25314 on terminal master if more than 10 configured terminal clients
Error behavior:
An error in VC4 Runtime can result in a page fault if more than 10 VC4 terminal clients are configured.
Error correction:
Error corrected in new VC Runtime version.
Workaround:
A workaround is not possible.

ID#400229199 : solved problem, known since VC 4.33.0, solved since VC 4.42.0
Exception page fault (25314) in VC Runtime when downloading changes to global variables
Error behavior:
Due to missing locking involving Visual Components Runtime, a page fault is possible (error 25314).
Modules "vcgclass" and "vcdsloc" are listed in the backtrace of the associated Logger entry.
The error is triggered by downloading changes to the global variables.
Error correction:
Error corrected in new VC Runtime version.
Workaround:
This error no longer occurs in Automation Runtime B4.34 (and later).

ID#400221449 : solved problem, known since VC 4.33.0, solved since VC 4.41.0
VcScrSht not working with shared Visapi functions
Error behavior:
Due to an error affecting library VcScrSht, in certain cases it is not possible to successfully execute
the library functions if Visapi functions (e.g. VA_GetTouchAction) are being used.
The affected function (ScreenShot) returns status 20700.
Error correction:
Error corrected in new VC Runtime version.
Workaround:
Do not execute Visapi functions simultaneously with VcScrSht functions.

ID#40024480 : solved problem, known since VC 4.33.0, solved since VC 4.41.0
Revised interval calculation of trend timescale
In wide trends, the position of labels on the timescale are placed very far from one another since the
calculation of intervals does not take the width of the trend or length of the labels into account.

ID#400233883 : solved problem, known since VC 4.33.0, solved since VC 4.41.0
"Battery discharged" alarm output in VC4 under ARwin on target system without backup battery (APC2100,
PPC2100)

ID#400206054 : solved problem, known since VC 4.26.2, solved since VC 4.41.0
Possible page fault when loading HTML files that do not conform to the standard (e.g. characters outside
7−bit ASCII character set)

ID#400218363 : solved problem, known since VC 4.26.3, solved since VC 4.41.0
Texts ending with a line break character ("\n") not being displayed correctly
Error behavior:
An error in Visual Components VC4 Runtime can result in texts that end with a line break character ("\n") not being displayed correctly.

Error correction:
Error corrected in new Visual Components VC4 Runtime version.

Workaround:
A workaround is not possible.

ID#400215277 : solved problem, known since VC 4.26.3, solved since VC 4.41.0
Degradation of graphics performance on APC2100 / PPC2100

Error behavior:
The graphics performance of the APC2100 / PPC2100 has degraded as a result of a previous error correction in Visual Components Runtime.

Error correction:
Error corrected in new VC Runtime version.

Workaround:
A workaround is not possible.

ID#514290 : new function since VC 4.44.0
VC4 support for APC3100 / PPC3100
APC3100 and PPC3100 are supported in Visual Components starting with this VC Runtime version.

ID# 400164537, 400174953, 400175638, 400188610 : solved problem, known since AS4.1.08 SP, solved since VC 4.42.0
AR Simulation of real APC2100 tries to download graphics driver on ARsim

SG4 Runtime -- Controls

ID#400246947 : solved problem, known since VC 4.16.2, solved since VC 4.44.0
Scaled data points at a scroll data point of a trend causing the data point to be written back incorrectly when loading the trend control is loaded (double scaling)

ID#400243290 : solved problem, known since VC 4.26.7, solved since VC 4.44.0
User trend not always displayed

ID#400241016 : solved problem, known since VC 4.34.1, solved since VC 4.44.0
Touchpad border cut off if touchpad size not even

Error behavior:
Due to a calculation error, touchpads whose size (height or width) is not divisible by 2 are cut off by 1 pixel. Whether the error occurs depends on the position (relative to the corresponding input control) at which the touchpad is opened.

Error correction:
Error corrected in new VC Runtime version.

Workaround:
The error does not occur if the size of the touchpad (touchpad bitmap) is divisible by 2.

ID#400231505 : solved problem, known since VC 4.26.6, solved since VC 4.41.0
Listbox slider not displayed in certain cases

Error behavior:
An error in VC Runtime can result in the listbox slider (scrollbar) not being displayed even though "Slider=Always" is configured. This error only occurs if less than 3 listbox items can be displayed.

Error correction:
Error corrected in new VC Runtime version.

Workaround:
Configure the listbox control so that at least 3 listbox items are displayed.

ID# 400221073, 400221007 : solved problem, known since VC 4.26.3, solved since VC 4.41.0
Entire idle time being taken up by trend controls that have not yet been started

ID#400217767 : new function since VC 4.41.0
DateTime control only able to display up to year 2038 from a data point

ID#400217032 : solved problem, known since VC 4.26.3, solved since VC 4.41.0
Page fault in vctrend / VC4 trend

Error behavior:
An error in Visual Components VC4 Runtime can result in a page fault with the "Trend" control.

ID#400217032 : solved problem, known since VC 4.26.3, solved since VC 4.41.0
Page fault in vctrend / VC4 trend

Error behavior:
An error in Visual Components VC4 Runtime can result in a page fault with the "Trend" control.
The backtrace of the associated Logger entry contains modules "vcgclass" and "vcctrend".

Error correction:
Error corrected in new Visual Components VC4 Runtime version.

Workaround:
A workaround is not possible.

SG4 Runtime – VNC
ID# 400214274, 400217854, 400220193 : solved problem, known since ARSG4_4.25.10_J04.25, solved since VC 4.41.0
Page fault on VNC connection
Error behavior:
An error in Visual Components VC4 Runtime can result in a page fault with a VNC connection. The backtrace of the associated Logger entry contains affected module "vcpdvnc".
This error increases in frequency with a poor network connection between the server and client (e.g. Internet).

Error correction:
Error corrected in new Visual Components Runtime version.

Workaround:
The error only occurs if color depth and encoding are configured manually on the client (i.e. not "Automatic").

SG4 Runtime – TerminalMode
ID#400232647 : solved problem, known since VC 4.34.2, solved since VC 4.44.0
VC4 for Windows Terminal: Internal datapoint CPU temperature does not work on APC2100 / PPC2100
ID#584150 : solved problem, known since unbekannt, solved since VC 4.44.0
VCWT: Closed open debug-webinterface
ID# 400239055, 400234977 : solved problem, known since VC 4.34.0, solved since VC 4.44.0
VC Windows Terminal: HTMLView Control cannot display HTML file from Windows file system if RenderEngine 'Embedded' is used
ID#400219778 : solved problem, known since VC 4.06.2, solved since VC 4.41.0
VC Windows Terminal crashing
Error behavior:
Due to an error involving the Visual Components Runtime alarm system, it is possible that application VC Windows Terminal (BR.VC.project loader.exe) crashes.

Error correction:
Error corrected in new VC Runtime version.

Workaround:
A workaround is not possible.