

Software Vulnerability Information

Software Division



Update: March 14, 2005

Vulnerability of Buffer Overflow in BrightStor ARCserve Backup

- Affected products

| Corrective action | Product group name | Platform | Last update |
|-----------------------------|---|----------|----------------|
| HS05-004-01 | BrightStor ARCserve Backup r11.1 series, BrightStor ARCserve Backup Release 11 series, BrightStor ARCserve Backup v9 series, BrightStor ARCserve 2000 series | Windows | March 14, 2005 |

- Problem description

On March 4, 2005, Computer Associates released their [Technical Support](#)(Japanese) regarding the stack-based buffer overflow vulnerability in BrightStor ARCserve Backup r11.1, Release11, v9 and 2000 that may allow remote execution of arbitrary code.

On backup servers of the above products, malicious users can exploit the vulnerability of buffer overflow and execute arbitrary commands with Local System permission.

Revision history

- March 14, 2005: This page is released.

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> Product names of Hitachi and other manufacturers



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Update: March 14, 2005

HS05-004;
Vulnerability of Buffer Overflow in BrightStor ARCserve Backup

Solution for BrightStor ARCserve Backup

The following vulnerability was found in BrightStor ARCserve Backup:

- Malicious users can exploit the vulnerability of buffer overflow and execute arbitrary commands.

Please take the corrective action indicated on the website of Computer Associates.

[Influence]

This vulnerability affects the backup servers of BrightStor ARCserve Backup and the servers running the remote agent.

[Affected models and versions]

BrightStor ARCserve Backup r11.1 series

| Product name of Computer Associates | Model (*1) | Version | Patch (*2) | Platform | Last update |
|---|---------------|---------|----------------|----------|----------------|
| BrightStor ARCserve Backup r11.1 for Windows | RT-1242C-1174 | 11-10 | 11.1 | | March 14, 2005 |
| BrightStor ARCserve Backup r11.1 Universal Client Agent for Windows | RT-1242C-2P74 | 11-10 | 11.1 | | March 14, 2005 |
| BrightStor ARCserve Backup r11.1 Universal Client Agent for 64bit Windows | RT-1242C-2Q74 | 11-10 | 11.1 64 BIT | | March 14, 2005 |
| BrightStor ARCserve Backup r11.1 for Windows NDMP NAS Option | RT-1242C-1N74 | 11-10 | 11.1 | | March 14, 2005 |
| BrightStor ARCserve Backup r11.1 Agent for Open Files on Windows | RT-1242C-1G74 | 11-10 | (*3) | | March 14, 2005 |
| BrightStor ARCserve Backup r11.1 for Windows Agent for Microsoft SQL | RT-1242C-1474 | 11-10 | 11.1 | | March 14, 2005 |
| | RT- | | | | March |

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| | | | | | |
|--|---------------|-------|------|---------|----------------|
| BrightStor ARCserve Backup r11.1 for Windows Agent for Microsoft Exchange | 1242C-1874 | 11-10 | 11.1 | Windows | 14, 2005 |
| BrightStor ARCserve Backup r11.1 for Windows Agent for Microsoft Exchange Premium Add-On | RT-1242C-2874 | 11-10 | 11.1 | | March 14, 2005 |
| BrightStor ARCserve Backup r11.1 for Windows Agent for Microsoft Exchange Premium Bundle | RT-1242C-3874 | 11-10 | 11.1 | | March 14, 2005 |
| BrightStor ARCserve Backup r11.1 for Windows Agent for Oracle | RT-1242C-1574 | 11-10 | 11.1 | | March 14, 2005 |
| BrightStor ARCserve Backup r11.1 for Windows Agent for Lotus Domino | RT-1242C-1974 | 11-10 | 11.1 | | March 14, 2005 |
| BrightStor ARCserve Backup r11.1 for Windows Microsoft SQL Suite | RT-1242C-S374 | 11-10 | 11.1 | | March 14, 2005 |
| BrightStor ARCserve Backup r11.1 for Windows Microsoft Exchange Suite | RT-1242C-S474 | 11-10 | 11.1 | | March 14, 2005 |

(*1) All the upgrade versions and the hard-bundled versions are affected.

(*2) Download the patch from the Computer Associates website.

BrightStor Products: BrightStor ARCserve Backup

OS: Windows

Identified security problem: Reference the buffer overflow vulnerability on the website and select the corresponding patch classified by the version number in the patch list.

(*3) Select patch 11.1 for 32-bit Windows and select patch 11.1 64 BIT for 64-bit Windows.

BrightStor ARCserve Backup Release 11 series

| Product name of Computer Associates | Model (*1) | Version | Patch (*2) | Platform | Last update |
|---|---------------|---------|------------|----------|----------------|
| BrightStor ARCserve Backup Release 11 for Windows | RT-1242C-1174 | 11-00 | 11.0 | Windows | March 14, 2005 |
| BrightStor ARCserve Backup Release 11 Client Agent for Windows | RT-1242C-1P74 | 11-00 | 11.0 | | March 14, 2005 |
| BrightStor ARCserve Backup Release 11 Client Agent for 64bit Windows Server | RT-1242C-1Q74 | 11-00 | 11.0 64BIT | | March 14, 2005 |
| BrightStor ARCserve Backup Release 11 for Windows NDMP NAS Option | RT-1242C-1N74 | 11-00 | 11.0 | | March 14, 2005 |
| BrightStor ARCserve Backup Release 11 for Windows Agent for Open Files | RT-1242C-1G74 | 11-00 | (*4) | | March 14, 2005 |
| BrightStor ARCserve Backup Release 11 for Windows Agent for Microsoft SQL | RT-1242C-1474 | 11-00 | 11.0 | | March 14, 2005 |
| BrightStor ARCserve Backup Release 11 for Windows Agent for Microsoft Exchange | RT-1242C-1874 | 11-00 | 11.0 | | March 14, 2005 |
| BrightStor ARCserve Backup Release 11 for Windows Agent for Microsoft Exchange Premium Add-On | RT-1242C-2874 | 11-00 | 11.0 | | March 14, 2005 |
| BrightStor ARCserve Backup Release 11 for | RT- | | | | March |

| | | | | | |
|--|---------------|-------|------|--|----------------|
| Windows Agent for Microsoft Exchange Premium Bundle | 1242C-3874 | 11-00 | 11.0 | | 14, 2005 |
| BrightStor ARCserve Backup Release 11 for Windows Agent for Oracle | RT-1242C-1574 | 11-00 | 11.0 | | March 14, 2005 |
| BrightStor ARCserve Backup Release 11 for Windows Agent for Lotus Domino | RT-1242C-1974 | 11-00 | 11.0 | | March 14, 2005 |
| BrightStor ARCserve Backup Release 11 for Windows Microsoft SQL Suite | RT-1242C-S374 | 11-00 | 11.0 | | March 14, 2005 |
| BrightStor ARCserve Backup Release 11 for Windows Microsoft Exchange Suite | RT-1242C-S474 | 11-00 | 11.0 | | March 14, 2005 |

(*1) All the upgrade versions and the hard-bundled versions are affected.

(*2) Download the patch from the Computer Associates website.

BrightStor Products: BrightStor ARCserve Backup

OS: Windows

Identified security problem: Reference the buffer overflow vulnerability on the website and select the corresponding patch classified by the version number in the patch list.

(*4) Select patch 11.1 for 32-bit Windows and select patch 11.1 64 BIT for 64-bit Windows.

BrightStor ARCserve Backup v9 series

| Product name of Computer Associates | Model (*1) | Version | Patch (*2) | Platform | Last update |
|--|---------------|---------|------------|----------|----------------|
| BrightStor ARCserve Backup v9 for Windows | RT-1242C-1164 | 09-00 | (*5) | Windows | March 14, 2005 |
| BrightStor ARCserve Backup v9 Client Agent for Windows | RT-1242C-1P64 | 09-00 | (*6) | | March 14, 2005 |
| BrightStor ARCserve Backup v9 Client Agent for 64bit Windows Server | RT-1242C-1Q64 | 09-00 | (*7) | | March 14, 2005 |
| BrightStor ARCserve Backup v9 Agent for Oracle for Windows | RT-1242C-1564 | 09-00 | (*5) | | March 14, 2005 |
| BrightStor ARCserve Backup v9 Agent for Lotus Notes for Windows | RT-1242C-1964 | 09-00 | (*5) | | March 14, 2005 |
| BrightStor ARCserve Backup v9 Agent for MS SQL for Windows | RT-1242C-1464 | 09-00 | (*5) | | March 14, 2005 |
| BrightStor ARCserve Backup v9 Backup Agent for MS Exchange for Windows | RT-1242C-1864 | 09-00 | (*5) | | March 14, 2005 |

(*1) All the upgrade versions and the hard-bundled versions are affected.

(*2) Download the patch from the Computer Associates website.

BrightStor Products: BrightStor ARCserve Backup

OS: Windows

Identified security problem: Reference the buffer overflow vulnerability on the website and select the corresponding patch classified by the version number in the patch list.

(*5) If you are using Build 1896 or Build 2020, upgrade the version to Build 2040 and apply patch 9.01.

(*6) If you are using Build 1896 or Build 2020, upgrade the version to Build 2030 and apply patch 9.01 64 BIT.

(*7) If you are using Build 2020, upgrade the version to Build 2030 and apply patch 9.01 64 BIT.

BrightStor ARCserve 2000 series

| Product name of Computer Associates | Model (*1) | Version | Patch (*2) | Platform | Last update |
|---|---------------|---------|------------|----------|----------------|
| BrightStor ARCserve 2000 Advanced Edition | RT-1242C-1154 | 07-00 | 2000 | Windows | March 14, 2005 |
| BrightStor ARCserve 2000 Workgroup Edition | RT-1242C-1254 | 07-00 | 2000 | | March 14, 2005 |
| BrightStor ARCserve 2000 Client Agent for Windows NT/2000 Server | RT-1242C-1P54 | 07-00 | 2000 | | March 14, 2005 |
| BrightStor ARCserve 2000 Backup Agent for Oracle | RT-1242C-1554 | 07-00 | 2000 | | March 14, 2005 |
| BrightStor ARCserve 2000 Backup Agent for Lotus Notes | RT-1242C-1954 | 07-00 | 2000 | | March 14, 2005 |
| BrightStor ARCserve 2000 Backup Agent for Microsoft SQL Server | RT-1242C-1454 | 07-00 | 2000 | | March 14, 2005 |
| BrightStor ARCserve 2000 Backup Agent for Microsoft Exchange Server | RT-1242C-1854 | 07-00 | 2000 | | March 14, 2005 |

(*1) All the upgrade versions and the hard-bundled versions are affected.

(*2) Download the patch from the Computer Associates website.

BrightStor Products: BrightStor ARCserve Backup

OS: Windows

Identified security problem: Reference the buffer overflow vulnerability on the website and select the corresponding patch classified by the version number in the patch list.

[Corrective action]

Visit the Computer Associates website (Japanese) below and take the corrective action.

http://www.casupport.jp/resources/info/brightstor_security.htm

Revision history

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