



Advisory Alert

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Overview

| Product | Severity | Vulnerability |
|---------|----------|--------------------------|
| Dell | High | Multiple Vulnerabilities |

Description

| | |
|---------------------------------------|---|
| Affected Product | Dell |
| Severity | High |
| Affected Vulnerability | Multiple Vulnerabilities (CVE-2022-26858, CVE-2022-26859, CVE-2022-26860, CVE-2022-26861) |
| Description | <p>Dell has released a security update addressing multiple vulnerabilities that exist in their BIOS.</p> <p>CVE-2022-26858 – An improper authentication vulnerability that exist in DELL BIOS. A locally authenticated malicious user may potentially exploit this vulnerability by sending malicious input to an SMI to bypass security controls.</p> <p>CVE-2022-26859 – A race condition vulnerability that exist in Dell BIOS. A local attacker may exploit this vulnerability by sending malicious input using SMI to bypass security checks during SMM.</p> <p>CVE-2022-26860 – A stack-based buffer overflow vulnerability that exist in DELL BIOS. A local attacker may exploit this vulnerability by sending malicious input using SMI to bypass security checks resulting in arbitrary code execution in SMM.</p> <p>CVE-2022-26861 – An Insecure Automated Optimization vulnerability that exist in DELL BIOS. A local authenticated malicious user may exploit this vulnerability by sending malicious input using SMI to obtain arbitrary code execution during SMM.</p> <p>Dell recommends to apply the necessary patch updates at your earliest to avoid issues.</p> |
| Affected Products | <p>Alienware m15 R6 ChengMing 3988, 3990, 3991 Dell G15 5510, 5511, Dell G3 15 3590 Dell G3 3500, 3579 Dell G5 15 5587, 5590 Dell G5 5000 Dell G7 15 7500, 7588 Dell G7 17 7700,7790 Dell Latitude 3480, 3580 Edge Gateway 3000 and 5000 series Embedded Box PC 3000, 5000 Inspiron 13 5378 2-in-1,5379 2-in-1, 7378 2-in-1 Inspiron 14 3467, 3476 Inspiron 15 3567, 5566 Inspiron 15 5578 2-in-1, 5579 2-in-1, 5582 2-in-1 Inspiron 15 7572 Inspiron 15 Gaming 7577 Inspiron 17 7773 2-in-1 Inspiron 3470, 3471, 3480, 3481, 3490, 3493, 3501, 3511, 3576, 3580, 3581, 3590, 3793, 3880, 3881, 3891, 3910 Inspiron 5300, 5301, 5310, 5370, 5390, 5391, 5400, 5400 2-in-1, 5401, 5401 All-In-One, 5402, 5406 2-in-1, 5408, 5409, 5410, 5410 2-in-1, 5480, 5481 2-in-1, 5482, 5490, 5490 All-in-One, 5491 2-in-1, 5493, 5494, 5498,5501, 5502, 5508, 5509, 5510, 5570, 5580, 5583, 5584, 5590, 5591 2-in-1, 5493, 5494, 5501, 5502, 5508, 5509, 5510, 5570, 5580, 5583, 5584, 5590, Inspiron 5591 2-in-1, 5593, 5594, 5598, 5770, 5491 All in one Inspiron 7000, 7300, 7300 2-in-1, 7306 2-in-1, 7370, 7373 2-in-1, 7380, 7386, 7390, 7391, 7400, 7472, 7490, 7500, 7500 2-in-1, 7501, 7506 2-in-1, 7510, 7570, 7573, 2-in-1, 7786, 7790, 7791 Latitude 13 3380, 3120, 3180, 3189, 3190, 3190 2-In-1, 3300, 3301, 3310, 3310 2-In-1, 3320, 3379, 3390, 3400, 3410, 3420, 3470, 3490, 3500, 3510, 3520, 3570, 3590 Latitude 5175, 5179, 5280, 5285 2-In-1, 5288, 5289, 5290, 5290 2-In-1, 5300, 5300 2-in-1, 5310, 5310 2-in-1, 5320, 5400, 5401, 5410, 5411, 5414 Rugged, 5420, 5420 Rugged, 5424 Rugged, 5480, 5488, 5490, 5491, 5495, 5500, 5501, 5510, 5511, 5520, 5521, 5580, 5590, 5591 Latitude 7200 2-In-1, 7210 2-in-1, 7212 Rugged Extreme Tablet, 7214 Rugged Extreme Latitude 7220 Rugged Extreme Tablet, 7220EX Rugged Extreme Tablet, 7275 2-in-1, 7280, 7285 2-in-1, 7290, 7300, 7310, 7320, 7320 Detachable, 7370, 7380, 7389, 7390, 7390 2-In-1, 7400, 7400 2-In-1, 7410, 7414 Rugged Extreme, 7420, 7424 Rugged Extreme, 7480, 7490, 7520, 9410, 9420, 9510, 9520, E5270, E5470, E5570, E7270, E7470, Rugged 5430, Rugged 7330, 5421 OptiPlex 3040, 3046, 3050, 3050 All-In-One, 3060, 3070, 3080, 3090, 3090 Ultra, 3240 All-in-One, 3280 All-In-One, 5040, 5050, 5055 A-Serial, 5055 MT, SFF, 5055 Ryzen CPU, 5060, 5070, 5080, 5090, 5250, 5260 All-In-One, 5270 All-in-One, 5480 All-In-One, 5490 All-In-One, 7040, 7050, 7060, 7070, 7070 Ultra, 7071, 7080, 7090, 7090 Ultra, 7440 All-In-One, 7450, 7460 All-In-One, 7470 All-In-One, 7480 All-In-One, 7490 All-In-One, 7760 All-In-One, 7770 All-In-One, 7780 All-In-One, XE3 Precision 3240 Compact, 3420 Tower, 3430 Tower, 3431 Tower, 3440, 3450, 3510, 3520, 3530, 3540, 3541, 3550, 3551, 3560, 3561, 3620 Tower, 3630 Tower, 3640 Tower, 3650 Tower, 3930 Rack, 5510, 5520, 5530, 5530 2-In-1, 5540, 5550, 5560, 5720 All-In-One, 5750, 5760, 5820 Tower, 7520, 7530, 7540, 7550, 7560, 7710, 7720, 7730, 7740, 7750, 7760, 7820 Tower, 7920 Tower Vostro 15 7570, 15 7580, 3070, 3267, 3268, 3400, 3401, 3468 14, 3470, 3471, 3478 14, 3480, 3481, 3490, 3500, 3501, 3510, 3568 15, 3578 15, 3580, 3581, 3583, 3584, 3590, 3660, 3667, 3668, 3669, 3670, 3671, 3681, 3690, 3710, 3881, 3888, 3890, 3910, 5090, 5300, 5301, 5310, 5370, 5390, 5391, 5401, 5402, 5410, 5468 14, 5471, 5481, 5490, 5491, 5501, 5502, 5510, 5568 15, 5581, 5590, 5591, 5880, 5890, 7500, 7510, 7590 Wyse 5070, 5470, 5470 All-In-One, 7040 Thin Client XPS 13 9305, 13 7390, 13 7390 2-in-1, 13 9300, 13 9310, 13 9310 2-in-1, 13 9360, 13 9365 2-in-1, 13 9370, 13 9380, 15 7590, 15 9500, 15 9510, 15 9570, 15 9575 2-In-1, 17 9700, 17 9710, 27 7760, 8940</p> |
| Officially Acknowledged by the Vendor | Yes |
| Patch/ Workaround Released | Yes |
| Reference | https://www.dell.com/support/kbdoc/en-us/000202194/dsa-2022-224 |

Disclaimer

The information provided herein is on "as is" basis, without warranty of any kind. FinCSIRT highly recommend to follow the company policies and procedures when applying the necessary patches with thorough testing and ensuring proper roll-back capabilities exists.