

Nagios XI Service Relationship Map

This page serves as a visual guide to show how different components work together in Nagios XI

A Windows Performance Counter service check is used here as an example

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The Windows Performance Counter service will be run against this host

Host Name	Description
localhost	localhost
windows_host	localhost

This is the Windows Performance Counter object I want to query on my Windows Host

The check_nt command will be run on the Nagios XI host's command line, this is the actual command for this Windows Performance Counter

```
check_nt -H hostname -s password -p 12489 -v COUNTER -I "\\PhysicalDisk(0 C:)\Disk Read Bytes/sec", "Disk Read Bytes/sec is %f"
```

This is the Check command section taken from the service definition I've created for my Windows Performance Counter

Here you can see how the variables are mapped to the check command

The check_nt command is defined in Nagios XI under the Commands menu
Here you can see how the variables are mapped to the service definition

```
504 case "disk_0_c_read_bytes_sec":
505     $objs[]=array(
506         "type" => OBJECTTYPE_SERVICE,
507         "host_name" => $hostname,
508         "service_description" => "Disk 0 C: Read Bytes/Sec",
509         "use" => "xiwizard windowsserver nsclient service",
510         "check_command" => "check_xi_service_nsclient!\". $1",
511         "_xiwizard" => $xiwizard_name,
512     );
513 break;
```

```
define service {
    host_name                192.168.5.102
    service_description      Disk 0 C: Read Bytes/Sec
    use                      xiwizard_windowsserver_nsclient_service
    check_command            check_xi_service_nsclient!COUNTER! -I "\\PhysicalDisk(0 C:)\Disk Read Bytes/sec", "Disk
    max_check_attempts      5
    check_interval           5
    retry_interval          1
    check_period            xi_timeperiod_24x7
    notification_interval   60
    notification_period     xi_timeperiod_24x7
    _xiwizard               windowsserver
    register                 1
}
```

This is the "Service configuration file" for the Windows Performance Counter service definition

This is the case section taken from a custom Windows Server Configuration Wizard. This is how the Configuration Wizard creates the service definition.