Adding the first host

The procedure for including a Linux host (as well as a Windows host, by the way) is in principle always the following:

1. Download the agent
2. Install the agent
3. Create the host

After creating the host, the setup is completed by configuring the services and activating the changes, which we will describe next.

1. Downloading the agent

Installing the agent

```
root@linux# dpkg -i /root/check-mk-agent_2.0.0b5-a38356026f314d52_all.deb
```

```
root@linux# apt install xinetd
#cd /etc/xinetd.d/
#nano check_mk
```

```
root@nms:/etc/xinetd.d# cat check_mk
# Copyright (C) 2019 tribe29 GmbH - License: GNU General Public License v2
# This file is part of Checkmk (https://checkmk.com). It is subject to the terms and
# conditions defined in the file COPYING, which is part of this source code package.

service check_mk
{
        type            = UNLISTED
        port            = 6556
        socket_type     = stream
        protocol        = tcp
        wait            = no
        user            = root
        server          = /usr/bin/check_mk_agent

        # To avoid intentional or unintentional overload due to too many parallel
        # queries from one source we set this parameter. It limits the number of
        # concurrent connections per source address. If you need more requests
        # per source system, you can of course increase or remove this value
        # (https://github.com/tribe29/checkmk/pull/157)
        per_source      = 3

        # listen on IPv4 AND IPv6 when available on this host
        #flags          = IPv6

        # If you use fully redundant monitoring and poll the client
        # from more then one monitoring servers in parallel you might
        # want to use the agent cache wrapper:
        #server         = /usr/bin/check_mk_caching_agent

        # configure the IP address(es) of your Nagios server here:
        #only_from      = 127.0.0.1 10.0.20.1 10.0.20.2
        only_from       = 127.0.0.1 103.36.103.0/24

        # Don't be too verbose. Don't log every check. This might be
        # commented out for debugging. If this option is commented out
        # the default options will be used for this service.
        log_on_success =

        disable         = no
}
```

#systemctl restart xinetd

Creating a host:
=================

Click *Add host* and the *Add host* page will open:

Basic settings
show more •••

Hostname (required) .... | mycmkserver

Network address
show less •••

IP address family .... ☐ IPv4 only (Default value)

IPv4 address .... ✖ | 192.168.178.34

Additional IPv4 addresses .... ☐ No entries (Default value)

Monitoring agents
show less •••

Checkmk agent / API integrations ... ☐ API integrations if configured, else Checkmk agent (Default value)

SNMP .... ☐ No SNMP (Default value)

Piggyback .... ☐ Use piggyback data from other hosts if present (Default value)

▶ Custom attributes

▶ Management board

Ping

```
PING 192.168.178.34 (192.168.178.34) 56(84) bytes of data.
64 bytes from 192.168.178.34: icmp_seq=1 ttl=64 time=0.062 ms
64 bytes from 192.168.178.34: icmp_seq=2 ttl=64 time=0.047 ms

--- 192.168.178.34 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 200ms
rtt min/avg/max/mdev = 0.047/0.054/0.062/0.007 ms, ipg/ewma 200.357/0.060 ms
```

Agent

```
<<<check_mk>>>
Version: 2.0.0b5
AgentOS: linux
Hostname: klappkis
AgentDirectory: /etc/check_mk
DataDirectory: /var/lib/check_mk_agent
SpoolDirectory: /var/lib/check_mk_agent/spool
PluginsDirectory: /usr/lib/check_mk_agent/plugins
```

Configuring services

For each of these services, there are in principle the following possibilities:

- *Undecided* : You have not yet decided whether to monitor this service.
- *Monitored* : The service is being monitored.
- *Disabled* : You have basically chosen not to monitor the service.
- *Vanished* : The service was being monitored, but it now no longer exists.

Activating changes

Checkmk initially saves all changes you make only in a temporary 'configuration environment' that does not yet influence the currently-operating monitoring. Only by 'activating the accumulated changes' will they be transferred to the monitoring.

Activate pending changes

7 changes ⚠️

Changes   **Related**   **View**   **Help**   ⌃

✅ **Activate on selected sites**

Currently there are 7 changes to activate.

Activation status

Actions	Site	Status	Version	Changes	Progress	Details
☐ ✏️ 🔴	Local site mysite	online	2.0.0b5	7		Has never been activated

Pending changes   7 rows

	Time	User	Change	Affected sites
🖥️	2021-02-02 18:51:13	cmkadmin	Saved check configuration of host 'mycmkserver' with 53 services	*All sites*
🖥️	2021-02-02 18:37:29	cmkadmin	Modified host mycmkserver.	*All sites*
🖥️	2021-02-02 18:25:48	cmkadmin	Modified host mycmkserver.	*All sites*
🖥️	2021-02-02 18:12:12	cmkadmin	Created new host mycmkserver.	*All sites*
🖥️	2021-01-29 17:19:52	cmkadmin	Created new folder Main directory / Network	*All sites*
🖥️	2021-01-29 17:19:43	cmkadmin	Created new folder Main directory / Linux	*All sites*
🖥️	2021-01-29 17:19:28	cmkadmin	Created new folder Main directory / Windows	*All sites*