

# Agent registration role

A lot of users are asking for a role in checkmk which is using by the agent updater and only for the registration process. At the moment, there is no build in role. Please follow this short how-to if you want to have this kind of role

- [The gui way](#)
- [The config file way](#)
- [Agent Pairing for TLS Encryption](#)
- [Related articles](#)

## The gui way

The easiest way to build an agent registration role is using the GUI and following these steps:

Create a copy of the guest user and ensure he has the following permissions:

- "Use the GUI at all"
- "Register Host & download monitoring agents of your hosts",
- "Register all hosts & download all monitoring agents"

## The config file way



We always recommend using the GUI instead of modifying .mk files. For any issue or broken config we do not provide any support.

On exceptional circumstances you might want to adjust configuration files with caution. Please do a backup before adjusting the files.

1. Pretty print the configuration for a better overview: [Pretty-print the configuration files](#)
2. Add the following section to the config file: `~/etc/check_mk/multisite.d/wato/roles.mk`.

```
'agent': {'alias': 'agents registration and download',
          'basedon': None,
          'builtin': True,
          'permissions': {'general.see_all': True,
                          'general.use': True,
                          'wato.download_all_agents': True}}
```

In order to put it to the right place, please add a comma "," before the "})".

At the end the whole file should look like this:

```
# Written by Checkmk store

roles.update({'admin': {'alias': 'Administrator', 'builtin': True, 'permissions': {}},
             'admin': {'alias': 'Administrator',
                       'basedon': 'admin',
                       'builtin': False,
                       'permissions': {}},
             'guest': {'alias': 'Guest user', 'builtin': True, 'permissions': {}},
             'user': {'alias': 'Normal monitoring user',
                      'builtin': True,
                      'permissions': {}},

             'agent': {'alias': 'agents registration and download',
                       'basedon': None,
                       'builtin': True,
                       'permissions': {'general.see_all': True,
                                       'general.use': True,
                                       'wato.download_all_agents': True}}

})
~
```

## Agent Pairing for TLS Encryption

For a user to be able to do the `cmk-agent-ctl register`, which is needed to enable the TLS encryption (available from 2.1.0 onwards), you have to add the following rights (internal name "general.agent\_pairing") to his/her role.

- Agent pairing
- Read access to all hosts and folders
- Write access to all hosts and folders

### Related articles

- [Agent registration role](#)
- [Agent Updater: No valid signature found](#)
- [Changing SSL Certificate for the agent bakery](#)
- [Required roles to use the agent bakery](#)
- [How to monitor tcp/udp ports](#)