

Basic Configuration Options in Checkmk

Configuration Concepts

Technical Live-Demo

Resources & Useful Links

Q & A

The Setup Menu


Most components are configured here:



- Hosts & Services
- Thresholds and host/service-specific adjustments
- Global settings and users
- Tag groups and Labels
- Integration of distributed environments ... and much more.

Changes become active after applying **Activate Changes...**

Main directory


Setup > Hosts > Main directory

8 changes 

Hosts Folder Related Display Help Filter  

Search in Setup



show less 

Hosts

Hosts
Host monitoring rules
Tags
Dynamic host management
Host groups
Custom host attributes
HW/SW inventory rules

Services

Service monitoring rules
Discovery rules
Enforced services
HTTP, TCP, Email, ...
Other Services
Service groups
Catalog of check plugins

Business Intelligence

Business Intelligence

Agents

Windows, Linux, Solaris, AIX
Other operating systems
VM, Cloud, Container
Other integrations
Agent access rules
SNMP rules

Events

Notifications
Event Console
Alert handlers

Users

Users
Contact groups
Roles & permissions
LDAP & Active Directory
Custom user attributes

General

Rule search
Global settings
Read only mode
Predefined conditions
Time periods
Passwords
Distributed monitoring
Audit log
Custom icons

Maintenance

Backups
License usage
Extension packages
Support diagnostics
Analyze configuration
Background jobs

The Setup Menu

Most of the time you will be working with Hosts & Services.

Important concepts:

- Inheritance
- Tags and Labels
- Rule based Configuration

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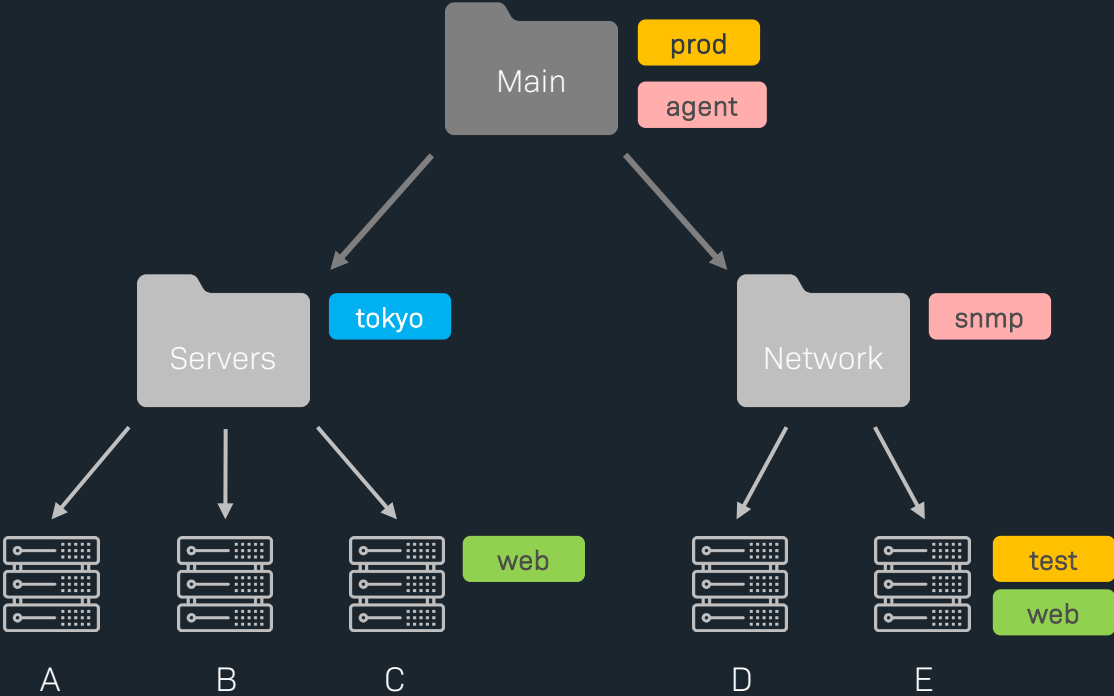
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What is Inheritance ?



A	prod	agent	tokyo	
B	prod	agent	tokyo	
C	prod	agent	tokyo	web
D	prod	snmp		
E	test	snmp	web	

What are Tags and Labels?

Tags are predefined, grouped properties.

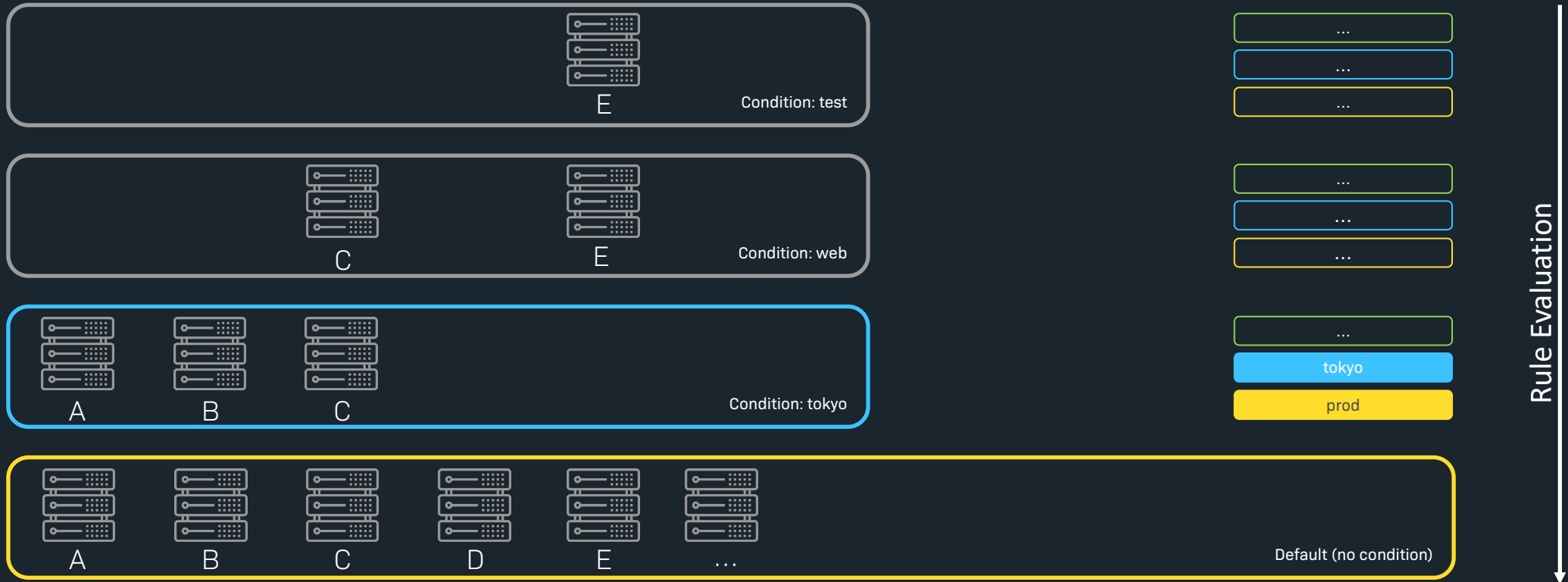
Labels are dynamic key-value pairs (key-valuepair).

Hosts		Hostname	Monitored on site	Auth	Tags	Explicit labels	
X	Actions	localhost	demo_20 - Demo Instanz	🔑	address_family:ip-v4-only piggyback:auto-piggyback	agent:cmk-agent ip-v4:ip-v4 mydemogroup:no_os site:demo_20 snmp_ds:no-snmp tcp:tcp	demo:workshop

What Does “Rule-Based” Mean?

Simple use cases:

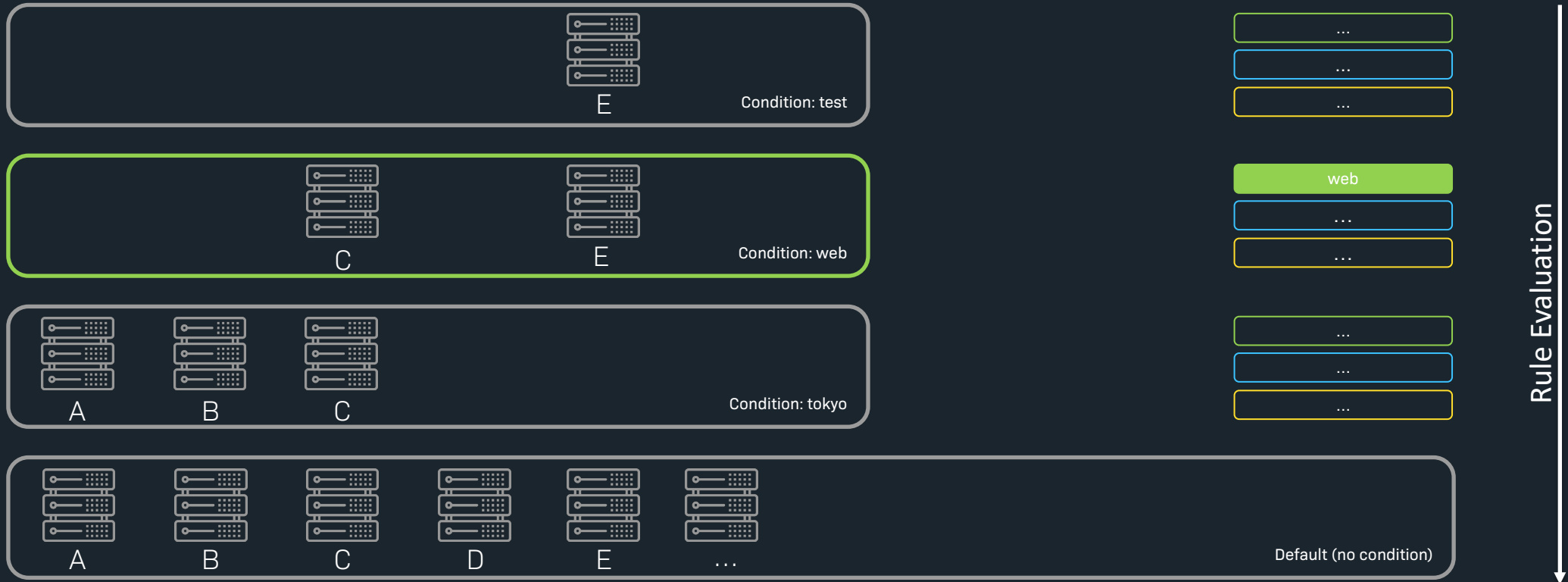
1. One rule for hosts in Tokyo
2. A rule for all web hosts
3. A rule for one special host



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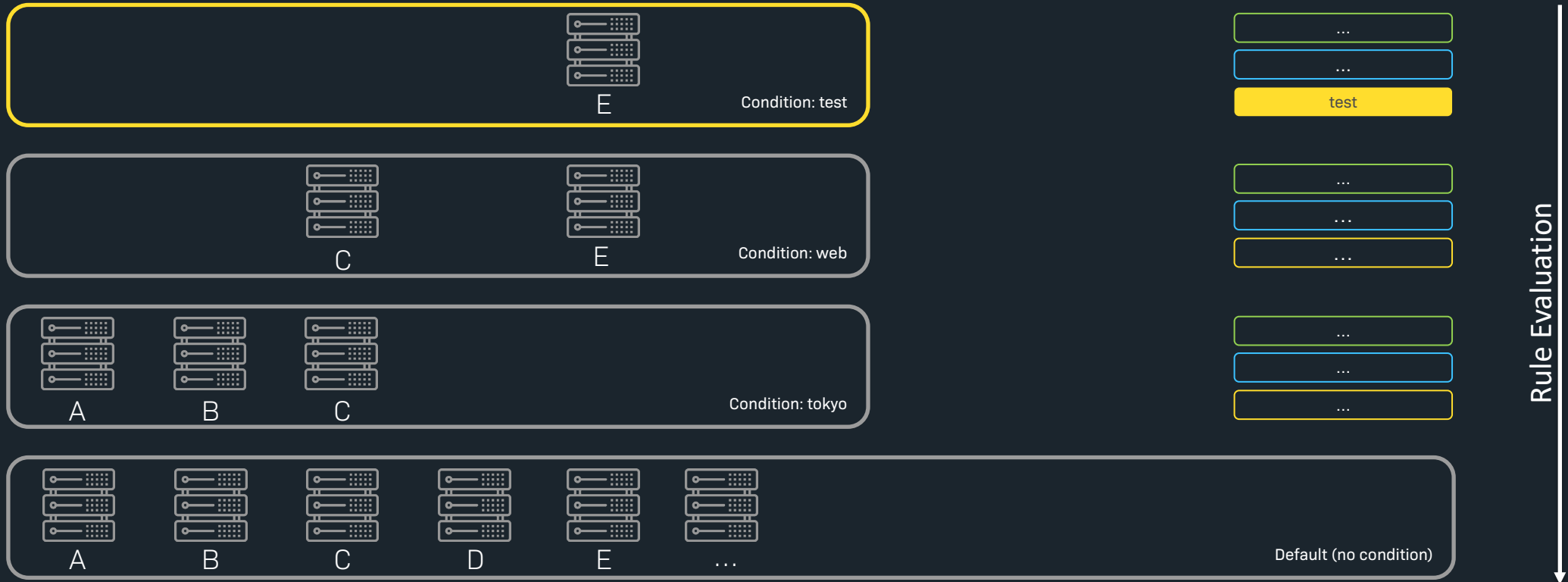
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Hosts / Services

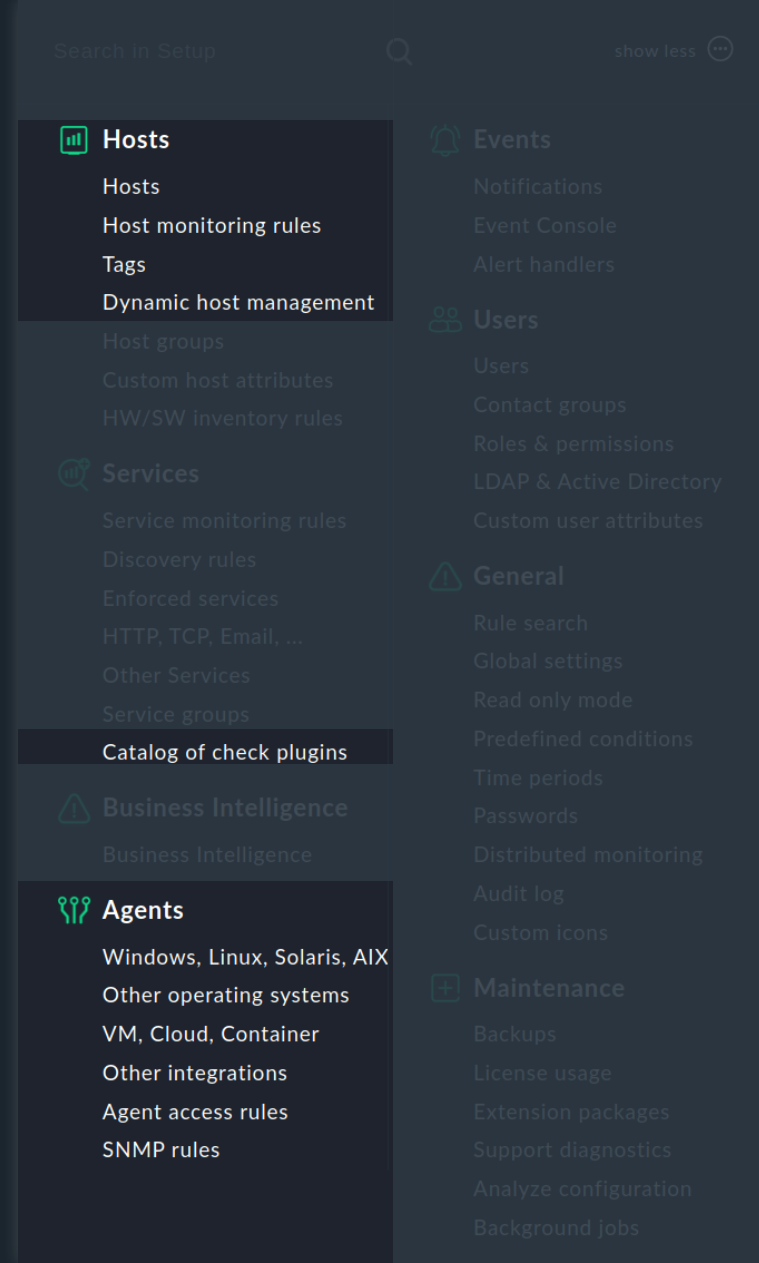
Tags, Labels, other (e.g., built-in) Attribute

Folder & Inheritance

Hosts & Services

Data Sources: Agents, Special, SNMP, Active / Manual Checks

Auto-Config: Dynamic Config, Network Scan, APIs



Rulesets

Rule-specific components:

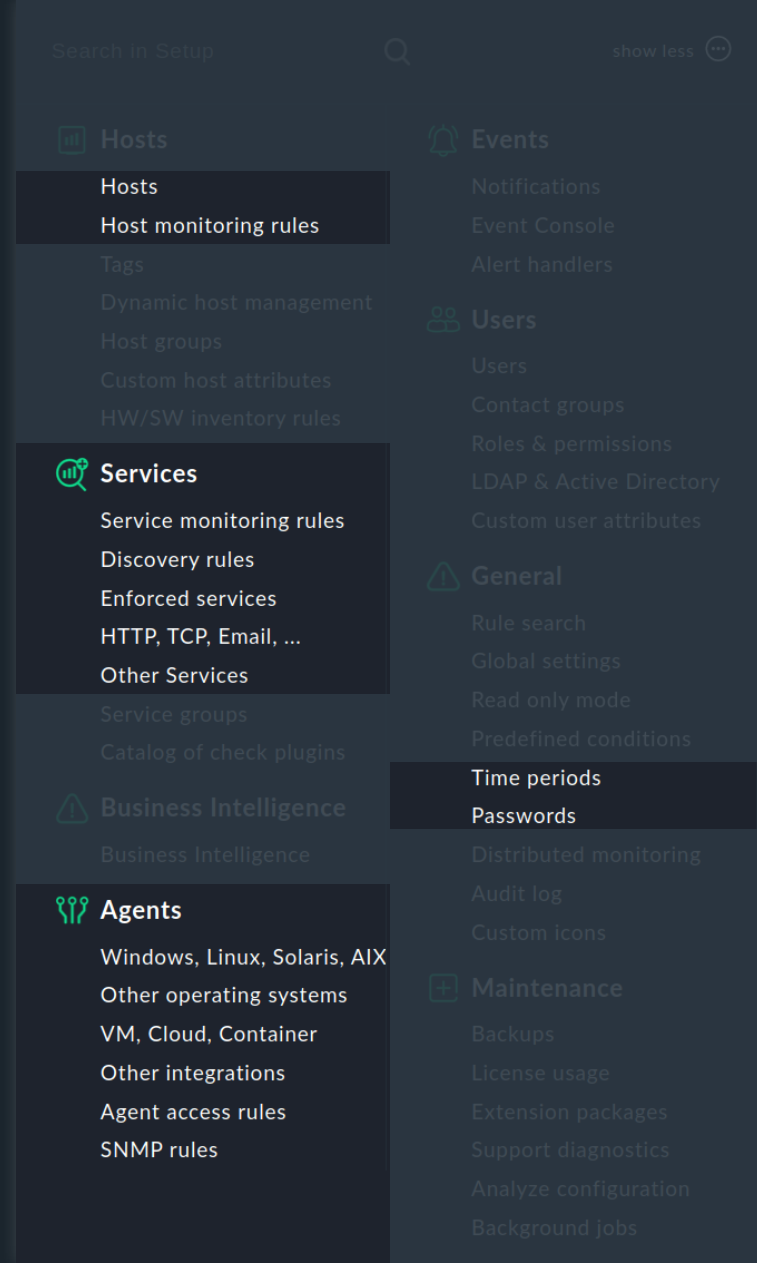
- Special Agents, Active checks
- Services Thresholds
- Meta-Configuration

Conditions

- Folder, Tags, Labels, explicit, etc.
- Predefined Conditions

Time Periods

Passwords



Users

Users:

- LDAP or local
- Automation-User

Roles & Permissions

- Granular authorization management
- Derived from other roles

Contact Groups

- Regulates the responsibility of the hosts and services

Notifications

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Permissions

Which objects can the user work with?

- View,edit,create and much more.

Which functionalities may a user work with?


- Is he allowed to create reports?
- Can he create hosts but not delete them?
- ... and much more.


▼ Identity

Username (required) server-admin

Full name (required) Server Admin

Email address server@admin.cmk

Pager address 

Authorized sites All sites 

May see all sites

▼ Security


Authentication Normal user login with password

password:


repeat: (optional)

Enforce change: Change password at next login or access

Automation secret for machine accounts



Disable password disable the login to this account

Idle timeout Use the global configuration 

Roles Administrator

Guest user

Normal monitoring user

Normal monitoring with less permissions

▼ Contact Groups

Büro Deutschland

Network Administrators

Server Administrators

► Notifications

► Personal settings

► Interface settings

Further

Event Console

Business Intelligence

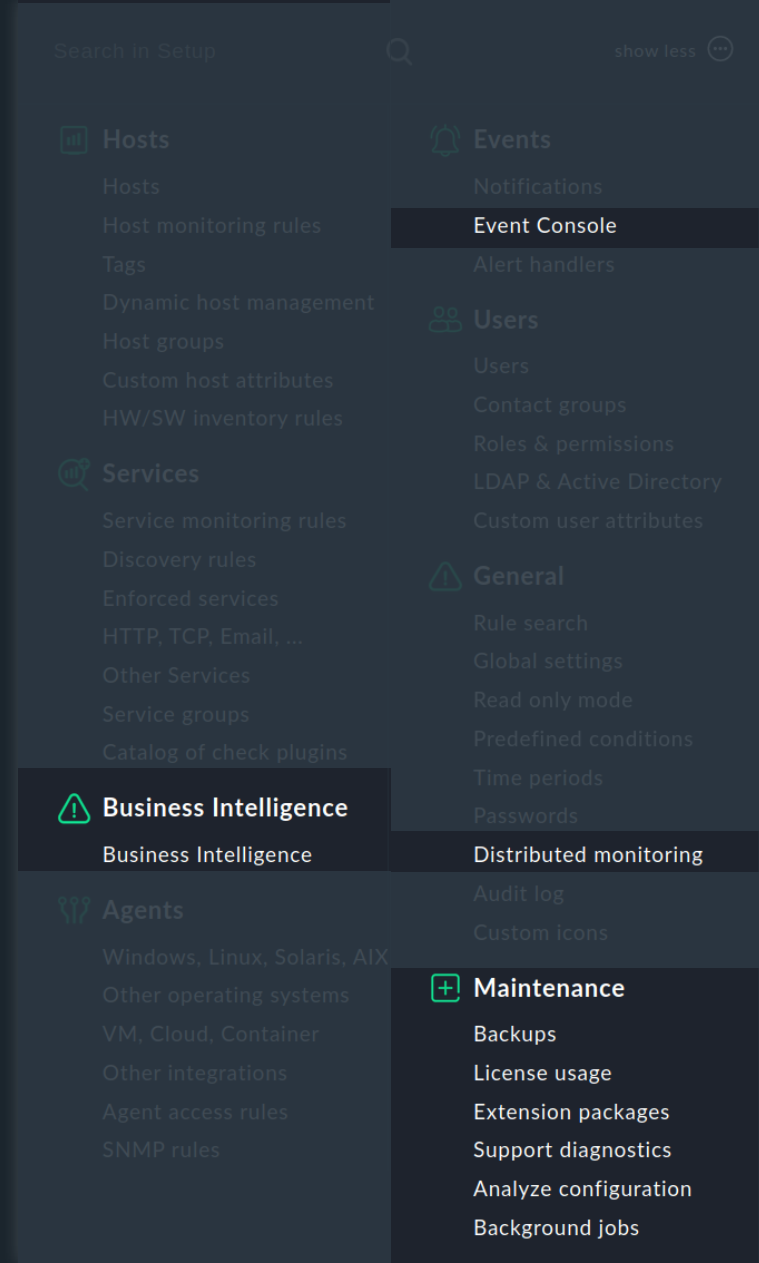
Distributed monitoring

Backup

Analyze configuration

Background jobs

MKPs



Resources & Useful Links



Introduction to the configuration: docs.checkmk.com/latest/en/wato.html

Hosts: docs.checkmk.com/latest/en/wato_hosts.html

Services: docs.checkmk.com/latest/en/wato_services.html

Rule-Configuration: docs.checkmk.com/latest/en/wato_rules.html

User,role and permissions: docs.checkmk.com/latest/en/wato_user.html

Alerting (Notifications): docs.checkmk.com/latest/en/notifications.html



Episode 7 (Part I): Working with rules and setting thresholds <https://youtu.be/WnfGMEJL1Bw>

Episode 7 (Part II): Smart Rules with Host Tags in Checkmk https://youtu.be/hoKtJv_-Ggs

Episode 7 (Part III): Managing Hosts in Folders in Checkmk <https://youtu.be/628UJYM-69Y>

Questions?

Thank you!



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