

Icinga na steroidech

(poznámky z migrace menší sítě)

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<http://veroskaplan.cz/>

Icinga



Icinga Classic UI

8 UP

0 / 0 / 0 DOWN

0 / 0 / 0 UNREACHABLE

0 PENDING

0 / 8 TOTAL

125 OK

0 / 0 / 0 WARNING

0 / 0 / 1 CRITICAL

0 / 0 / 0 UNKNOWN

0 PENDING

1 / 126 TOTAL

8 / 0 / 0
4.00 / 4.01 / 4.006 s
0.00 / 0.00 / 0.000 s

126 / 0 / 0
0.00 / 6.60 / 0.593 s
0.00 / 0.00 / 0.000 s

General

- Home
- Docs www
- Search:

Status

- Tactical Overview
- Host Detail
- Service Detail
- Hostgroup Overview
- Hostgroup Summary
- Servicegroup Overview
- Servicegroup Summary
- Status Map

Problems

- Service Problems
- Unhandled Services
- Host Problems
- Unhandled Hosts
- All Unhandled Problems
- All Problems
- Network Outages

System

- Comments
- Downtime
- Process Info
- Performance Info
- Scheduling Queue

Reporting

- Trends
- Availability
- Alert Histogram
- Alert History
- Alert Summary
- Notifications
- Event Log

Configuration

Tactical Monitoring Overview

Last Updated: Sun Oct 8 09:44:34 CEST 2017 - Update in 17 seconds [pause]

Icinga Classic UI 1.14.0 (Backend r2.7.1-1) - Logged in as veros

Network Outages

0 Outages

Network Health

Host Health:

Service Health:

Hosts

0 Down	0 Unreachable	8 Up	0 Pending
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Services

1 Critical	0 Warning	0 Unknown	125 OK	0 Pending
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Scheduled Downtime
1 Active

Host Checks

	Active	Passive
Enabled	8 Enabled	No Passive Checks

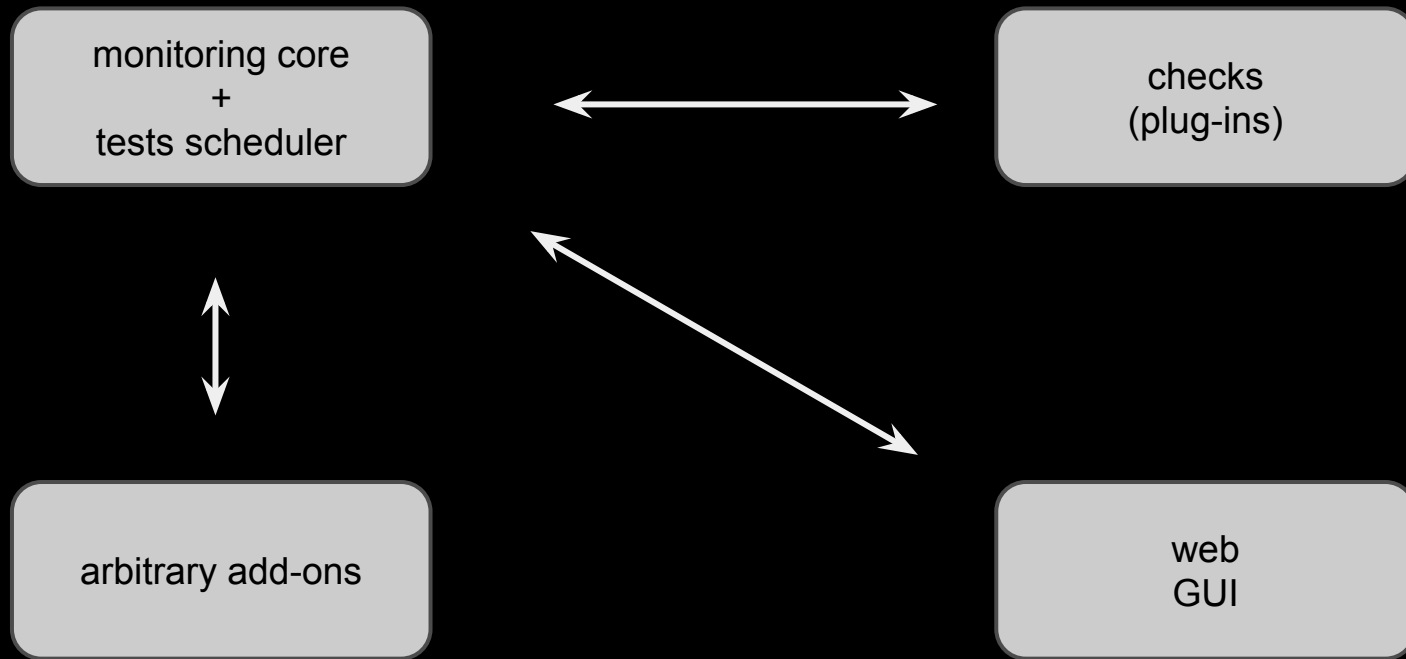
Service Checks

	Active	Passive
Enabled	126 Enabled	No Passive Checks

Monitoring Features

	Flap Detection	Notifications	Event Handlers
Enabled	126 Services Disabled No Services Flapping 8 Hosts Disabled No Hosts Flapping	15 Services Disabled All Hosts Enabled	All Services Enabled All Hosts Enabled

Nagios Icinga Architecture



● hooks

Icinga Web

The screenshot displays the Icinga Web interface. On the left is a navigation sidebar with options like Dashboard, Problems, Overview, Tactical Overview, Hosts, Services, Hostgroups, Servicegroups, Contactgroups, Contacts, Comments, Downtimes, Icinga Director, History, Documentation, System, Configuration, and veros. The main content area is titled 'Services' and shows a list of services with their status and details. The service 'www.knihovny.cz: aleph.mzk.cz' is highlighted. On the right, a detailed view for a service shows its status (UP since Oct 4), OK status (since Sep 21), and various actions like 'Check now', 'Comment', 'Notification', and 'Downtime'. Below this, there are sections for 'Plugin Output' (showing HTTP OK details and a graph), 'Problem handling' (with links for comments, downtimes, and servicegroups), 'Performance data' (with label-value pairs for size and time), 'Notifications' (with a 'Send notification' link), and 'Check execution' (with details on command, source, last check, and next check).

Service Name	Status	Since	Details
www.knihovny.cz: adresář knihoven	OK	since Oct 4	HTTP OK: HTTP/1.1 200 OK - 5097 bytes in 0.022 second response time
www.knihovny.cz: aleph.lib.cas.cz	OK	for 1d 4h	HTTP OK: HTTP/1.1 200 OK - 532 bytes in 0.032 second response time
www.knihovny.cz: aleph.mzk.cz	OK	since Sep 21	HTTP OK: HTTP/1.1 200 OK - 627 bytes in 0.014 second response time
www.knihovny.cz: aleph.npk.cz	OK	since Sep 30	HTTP OK: HTTP/1.1 200 OK - 524 bytes in 0.033 second response time
www.knihovny.cz: aleph.svkhk.cz	OK	for 2d 10h	HTTP OK: HTTP/1.1 200 OK - 422 bytes in 0.045 second response time
www.knihovny.cz: aleph.techlib.cz	OK	since Oct 4	HTTP OK: HTTP/1.1 200 OK - 424 bytes in 0.022 second response time
www.knihovny.cz: aleph.vkol.cz	OK	for 2d 2h	HTTP OK: HTTP/1.1 200 OK - 421 bytes in 0.049 second response time
cpk-front.mzk.cz: bugzilla.knihovny.cz	OK	since Aug 1	HTTP OK: HTTP/1.1 200 OK - 11838 bytes in 0.511 second response time
cpk-front.mzk.cz: bugzilla.knihovny.cz: ssl cert	OK	since Mar 22	SSL OK - Certificate 'bugzilla.knihovny.cz' will expire on 2017-12-27 08:10 +0100/CET. HTTP OK: HTTP/1.1 200 OK - 11838 bytes in 0.531 second response time

Templates

```
template Host "linux-server" {  
    icon_image = "penguin.png"  
    ...  
}
```

```
object Host "server-prague" {  
    import "linux"  
    address = "192.168.99.99"  
}
```

Use variables

```
object Host "www.root.cz" {  
  import "generic-host"  
  address = "91.213.160.118"  
  
  vars.location = "prague-dc1"  
  vars.website_name = "www.root.cz"  
  vars.os = "Linux"  
}
```

Apply command

```
apply Service "dns" {  
    import "3rd-class"  
  
    check_command = "dns"  
  
    vars.dns_lookup = "www.na-mytime.cz"  
    vars.dns_expected_answer = "185.8.165.113"  
  
    assign where host.vars.os == "Linux"  
}
```


Another apply command

```
object Host "www.root.cz" {  
  ...  
  vars.website_name = "www.root.cz"  
}  
  
apply Service "check_website" {  
  ...  
  assign where (host.vars.website_name)  
}
```

Structured variables

```
object Host "www.root.cz" {  
  ...  
  vars.websites = [  
    "www.root.cz",  
    "root.cz"  
  ]  
}
```

Structured variables

```
object Host "www.root.cz" {
```

```
  ...
```

```
  vars.websites = ["www.root.cz", "root.cz" ]
```

```
}
```

```
apply Service "web" for (name in host.vars.websites) {
```

```
  ...
```

```
  command = "http"
```

```
  vars.http_host = name
```

```
}
```

Structured variables - vol.#2

```
object Host "windows-host" {  
  ...  
  vars.win_service["mswindxx"] = {  
    state = "started"  
    command = "42"  
    Description = "Service I don't understand"  
  }  
  vars.win_service["msloginxx2"] = {  
    state = "stopped"  
  }  
}
```

Structured variables - vol.#2

```
object Host "windows-host" {
```

```
  ...
```

```
  vars.win_service["mswindxx"] = { }
```

```
}
```

```
apply service "win_svc" for
```

```
  (name => config in host.vars.win_service) {
```

```
  ...
```

```
  command = "win_service"
```

```
  vars.service_name = name
```

```
  vars.service_state = config["state"]
```

```
}
```

API - the boring parts

```
$ icinga2 feature enable api
```

<https://www.icinga.com/docs/icinga2/latest/doc/12-icinga2-api/>

- observe monitoring status
- objects modification(hosts, services, ...)
- run actions
 - enforce checks
 - schedule downtimes...

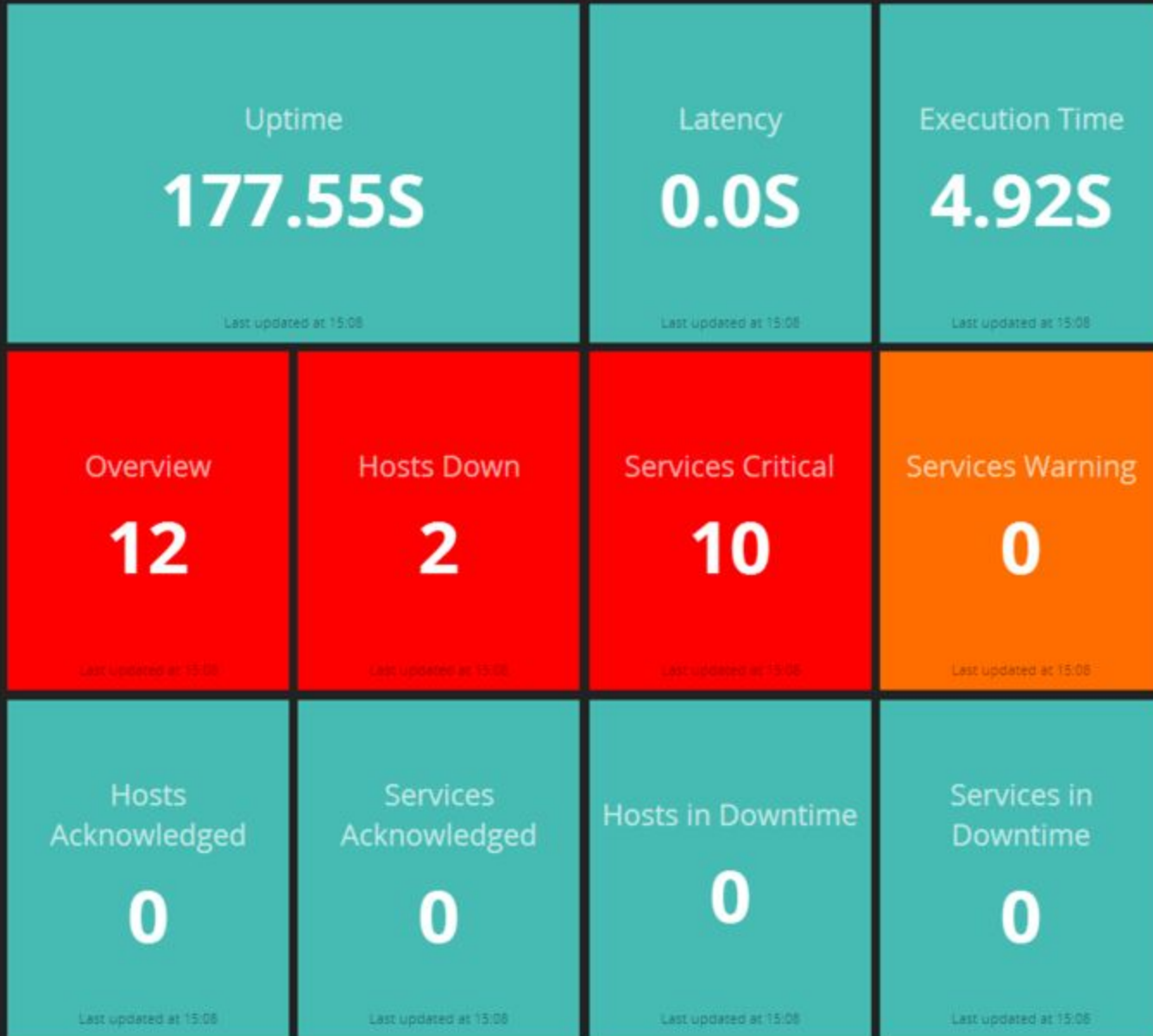
API - the nice parts

No more command pipe permission issues!

API

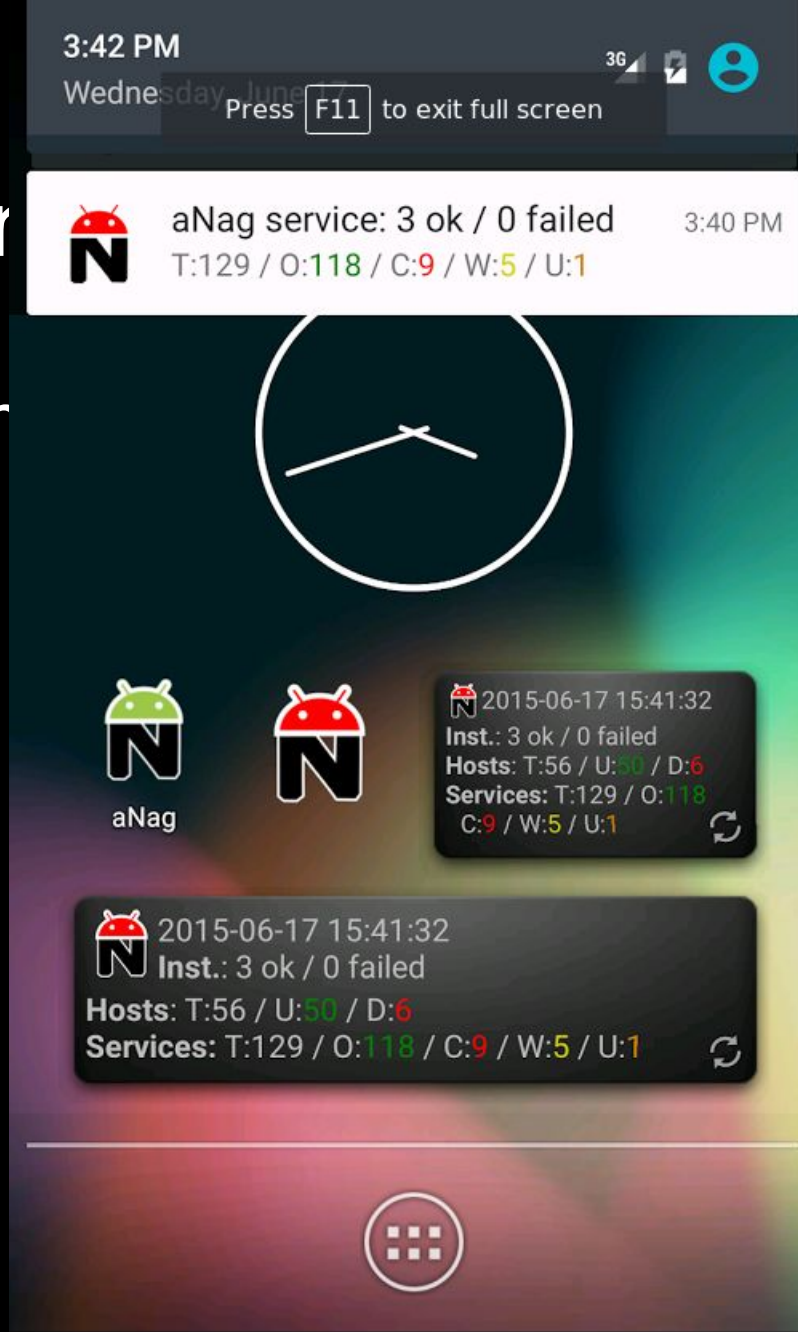
No r

ICINGA 2



API - the r

No more cor



issues!

API - the best parts

Icinga director

The screenshot displays the Icinga Director web interface. The top navigation bar is dark blue with the Icinga logo and the word "ICINGA" in white. Below the navigation bar is a search bar containing "root.cz" and a sidebar menu on the left. The main content area is titled "Overview" and is divided into three sections: "Define whatever you want to be monitored", "Deploy configuration to your Icinga nodes", and "Do more with your data". Each section contains four cards with icons and text describing various Icinga features and their current status.

ICINGA

root.cz

Dashboard

Problems

Overview

Icinga Director

- Hosts
- Services
- Commands
- Users
- Automation
- Activity log
- Deployments

History

Documentation

System

Configuration

veros

Overview

Define whatever you want to be monitored

- Host objects**
2 objects have been defined, 1 of them are templates, no related group exists
- Monitored Services**
No object has been defined yet
- Commands**
64 objects have been defined, 64 have been externally defined and will not be deployed
- Notifications**
Schedule your notifications. Define who should be notified, when, and for which kind of problem

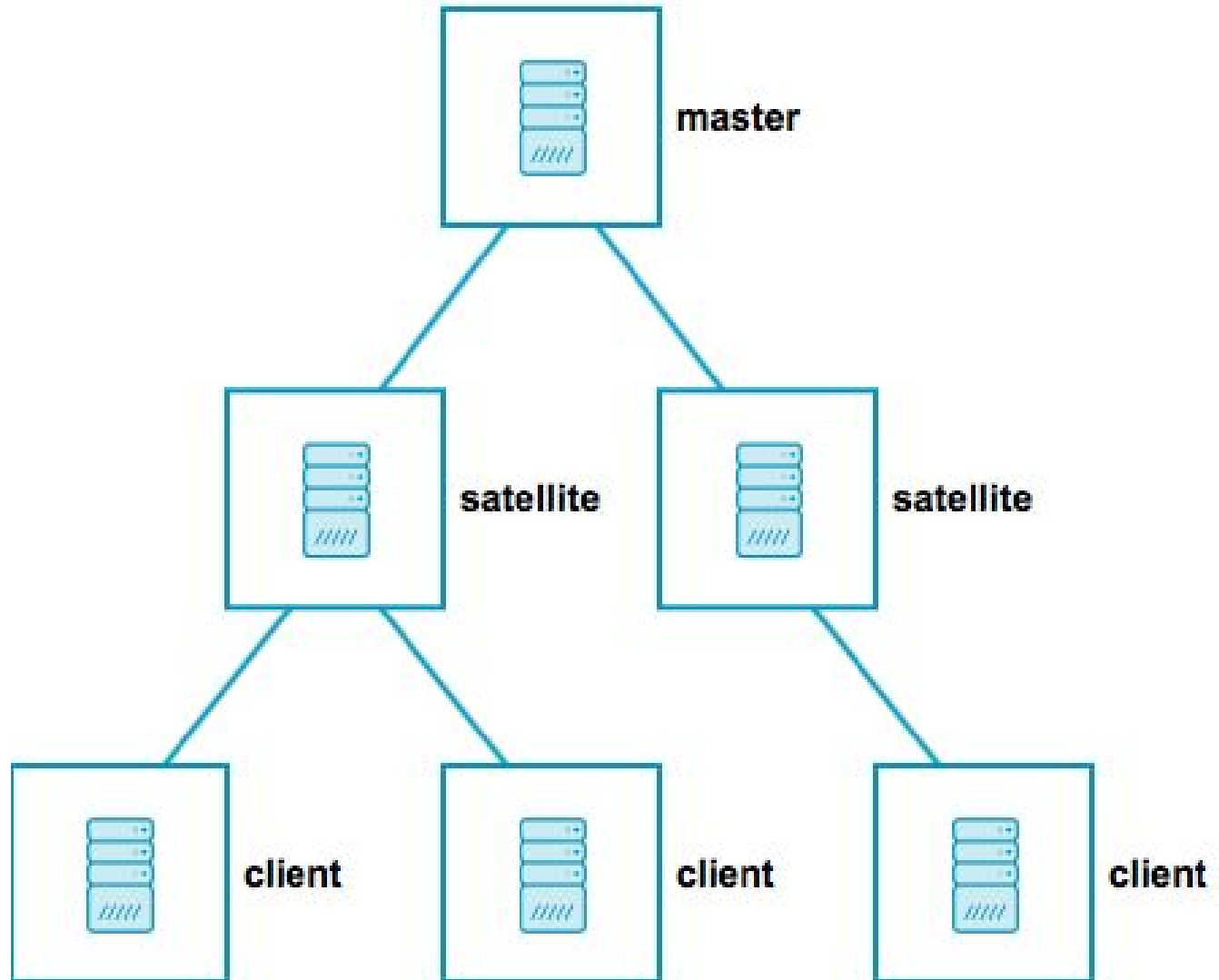
Deploy configuration to your Icinga nodes

- Config Deployment**
There are no pending changes.
- Activity Log**
Wondering about what changed why? Track your changes!
- Jobs**
Schedule and automate Import, Synchronization, Config Deployment, Housekeeping and more
- Icinga Infrastructure**
Manage your Icinga 2 infrastructure: Masters, Zones, Satellites and more

Do more with your data

- Import data sources**
Define and manage imports from various data sources
- Synchronize**
Define how imported data should be synchronized with Icinga
- Define data fields**
Data fields make sure that configuration fits your rules
- Provide data lists**
Provide data lists to make life easier for your users


Distributed monitoring



EOF

Icinga on Windows

Icinga 2 Setup Wizard



Instance Name:

Setup Ticket:

Master Instance

This is a new master instance.

This instance should report its check results to an existing Icinga 2 master:

Instance Name	Host	Port
---------------	------	------

TCP Listener

Listen for connections from the master instance:

Port:

Do not listen for connections.

Advanced Options

Accept commands from master

Accept config updates from master

Install/Update NSClient++