

**ZABBIX '25**

CONFERENCE

GERMANY

# Dataforge for Zabbix in MSP Environment



**Andreas Brock**

CEO Founder

Clouledge GmbH





Wie DataForge die Zabbix-Nutzung  
für Managed Service Provider  
transformiert

# Ausgangslage: Zabbix als Monitoring as a Service Dienst für Managed Service Provider



Multi-Mandantenfähiges  
Monitoring



SLA-Überwachung  
verschiedener Systeme



Erstellung / Konfiguration  
von Alarmierungen

Reseller A, B, C

- ▶ Kunde A, B, C
  - Standorte A, B, C

# Ausgangslage: Zabbix als Monitoring as a Service Dienst für Managed Service Provider



Reporting  
Berichtserstellung  
Dashboards



Automatisierung  
API-Schnittstelle



Enterprise  
Sicherheitsniveau



# Lösung: DataForge als Erweiterungsplattform für Zabbix für Managed Service Provider



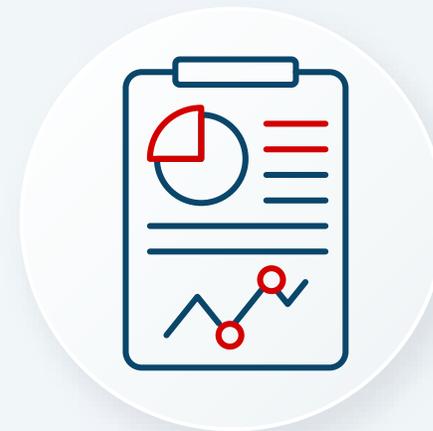
## Selbst-Administration

- ▶ Alarmierungen
  - Geschäftsführer
  - Interne IT
- ▶ Wartungsintervalle
- ▶ Konfiguration ohne Admin-Rechte in Zabbix



## Benutzerfreundliches Enduser-Portal

- ▶ Zabbix-Zugriff für User auf
  - Probleme
  - Systeme
  - Historische Daten



## Umfangreiches Reporting

- ▶ Machine to Human Report
  - Inhaltsverzeichnis
  - Kommentaren
- ▶ Machine to Machine Report:
  - JSON, XML, CSV
  - Automatisierte Weiterverarbeitung

# Lösung: DataForge als Erweiterungsplattform für Zabbix für Managed Service Provider



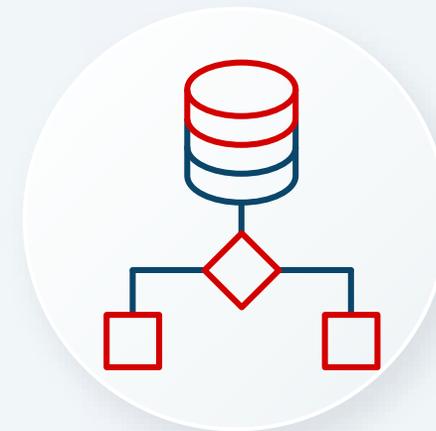
## Mobile App (iOS / Android)

- ▶ Mobiler Zabbix Zugriff
- ▶ Mobiler DataForge Zugriff
- ▶ Push-Benachrichtigung
- ▶ Scripting von Service-Neustarts über die App



## Branding-Kits

- ▶ Eigene Logos
- ▶ Eigene Firmennamen

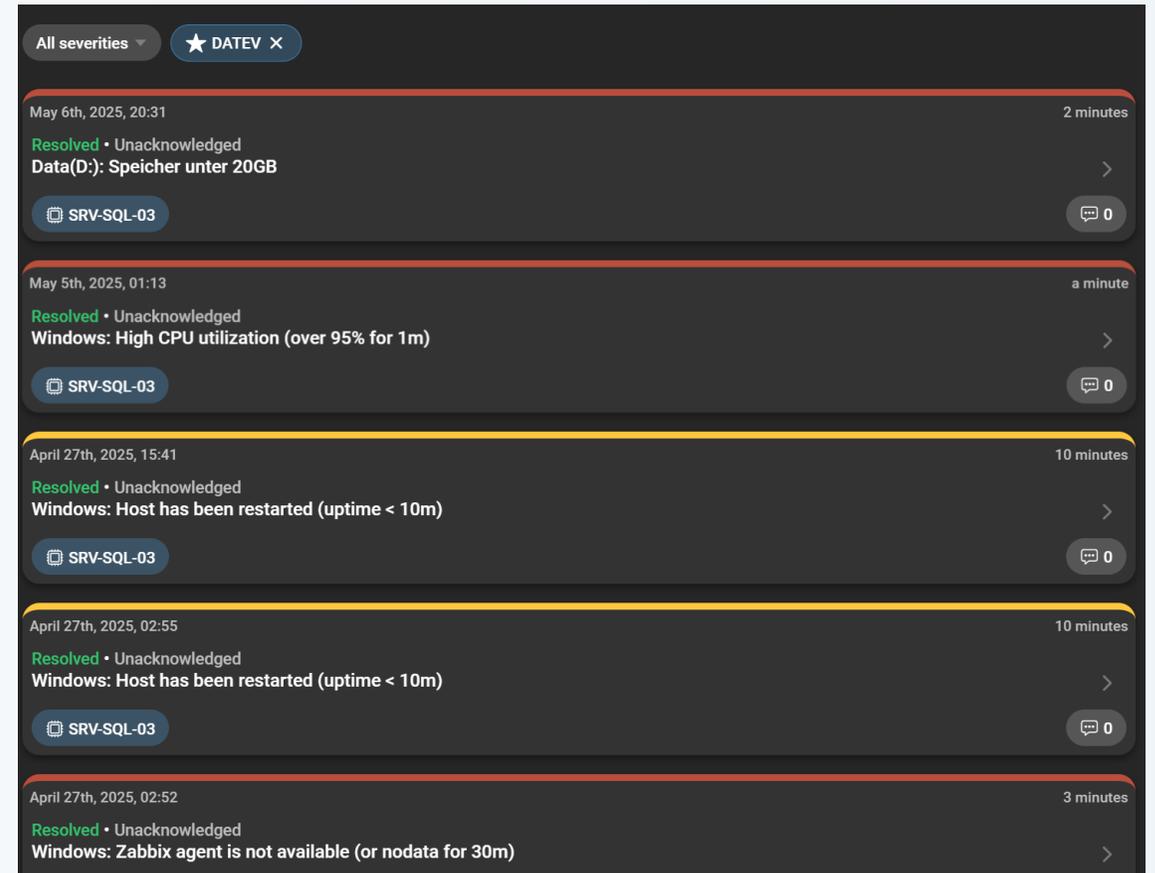
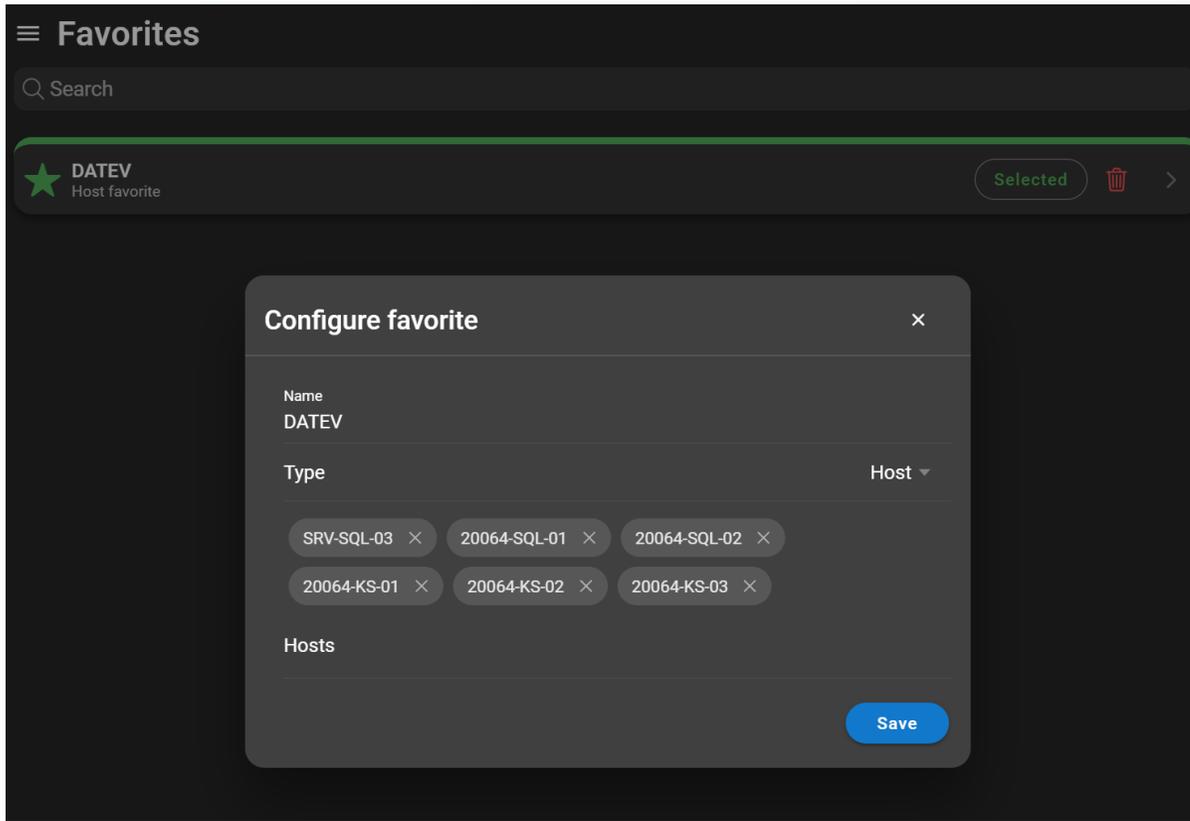


## DataForge AI

- ▶ Automatische Erkennung von Anomalien
- ▶ Automatische Eskalation
  - Interne IT
  - Externer Dienstleister

# 1. Beispiel-Szenario: DATEV

- ▶ Erstellen einer favorisierten Ansicht in DataForge für die Datev-Hosts



# 1. Beispiel-Szenario: DATEV

- ▶ Erstellen einer Maintenance für die Datev-Hosts in DataForge

### Configuring maintenance ✕

**20064-SQL-01**

Maintenance status  
**No maintenance**

Hostgroup DataForge maintenance  
**No maintenance**

Configured maintenances:  
0

With data collection

**Start maintenance**

### Host maintenances

🔍 Search

**In maintenance** ▾

-  DataForge permanent maintenance with data collection  
20064-KS-01
-  DataForge permanent maintenance with data collection  
20064-KS-02
-  DataForge permanent maintenance with data collection  
20064-KS-03
-  DataForge permanent maintenance with data collection  
20064-SQL-01
-  DataForge permanent maintenance with data collection  
20064-SQL-02

# 1. Beispiel-Szenario: DATEV

## ► Ansicht der erstellten Maintenance der Datev-Server in Zabbix

**Maintenance period** ? x

\* Name

Maintenance type  With data collection  No data collection

\* Active since

\* Active till

\* Periods

Period type	Schedule	Period	Actions
Daily	At 12:00 AM every 1 day	1d	<a href="#">Edit</a> <a href="#">Remove</a>

[Add](#)

Host groups

Hosts

\* At least one host group or host must be selected.

Tags  And/Or  Or

[Add](#)

Description

20064-KS-01

20064-KS-02

20064-KS-03

# Widget-Typen

- ▶ Eigenständige Erstellung eines Berichtes mit DataForge
  - Auf Basis der mitgelieferten Widget-Typen

The screenshot displays the 'Select a widget' dialog box in Zabbix. It features a search bar at the top and a grid of 15 widget options. Each widget card includes an icon, a title, a brief description, and buttons for export formats (JSON, XML, PDF, CSV, PB). An 'Add widgets' button is located at the bottom right of the dialog.

Widget Name	Description	Export Formats
Alert log widget	exports recently sent alerts	JSON, PDF
Audit log widget	exports auditlogs in the report interval	JSON, XML, PDF
Busy triggers widget	exports triggers with high activation frequency	JSON, XML, PDF
Host inventory widget	exports host inventories	JSON, XML, PDF
Numeric items widget	exports numeric item histories	JSON, XML, CSV, PDF, PB
Text items widget	exports text item histories	JSON, XML, CSV, PDF
Long problem widget	exports long standing problems	JSON, XML, PDF
Markdown widget	exports markdown	JSON, XML, PDF
Mean time to interaction widget	exports the Mean Time To Interaction (MTTI) of triggers in a list of hostgroups	JSON, XML, PDF
Mean time to recovery widget	exports the Mean Time To Recovery (MTTR) of triggers in a list of hostgroups	JSON, XML, PDF
Problem widget	exports current and historic problems	JSON, XML, PDF
SLA widget	exports service level agreement information	JSON, XML, PDF
Trigger state widget	exports the state of triggers in a hostgroup	JSON, XML, PDF

## 2. Beispiel-Szenario: Citrix UPM Speicherbedarf

- ▶ Eigenständige Erstellung eines Berichtes mit DataForge
  - Täglicher Speicherbedarf der Citrix UPM Festplatten

The screenshot shows the 'Report configuration' page in Zabbix. A 'Configure Widget' dialog is open, showing the configuration for a 'Numeric items widget'. The widget name is '15215 UPM Platte' and the host is '15215-FS1'. The dialog also shows 'PDF rendering options' and a list of widgets. The background shows the 'Report configuration' page with fields for 'Detailed description', 'Schedule mode' (Weekly), 'Time of day' (00:00), 'Day of week' (Sunday), and 'Storage duration' (0 days, 0 hours).

The screenshot shows a Zabbix report for 'Citrix UPM' generated by 'ibeco-dataforge' on a 'Weekly' schedule. The report title is '15215 UPM Platte' and it covers the period from '27. Apr, 2025, 00:00:00 - 4. May, 2025, 00:00:00'. The report includes a 'Host interfaces' table and a 'UPM(E): Space utilization' graph.

Type	DNS/IP	Address	Port
agent	IP	10.21.0.8	10050

**UPM(E): Space utilization**  
Space utilization in % for E:

Item	Numeric float	vfs.fs.size[E:used]
Min	96.09 %	
Max	96.84 %	
Average	96.40 %	
Median	96.41 %	
Change	0.037 %	

The graph shows space utilization over time, with a peak around May 3rd.

### 3. Beispiel-Szenario: Bereinigung Monitoring-System

- ▶ Erstellung eines Berichtes mit dem Widget-Typ: Long Term Problems

1. Datacenter/99-ibeco Shared Service/99-Citrix [View in Zabbix](#)

Host group

#### ⚠ Long problems

A list of problems of a host group that have exceeded a specified duration.

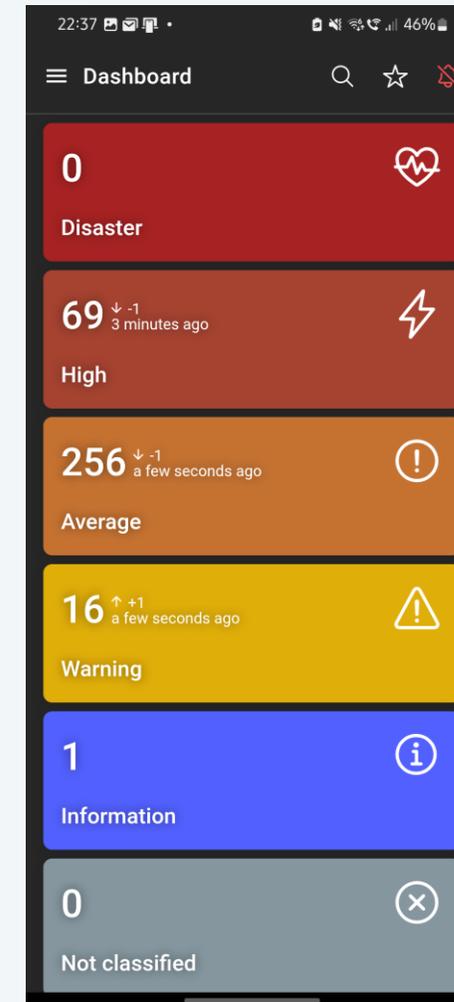
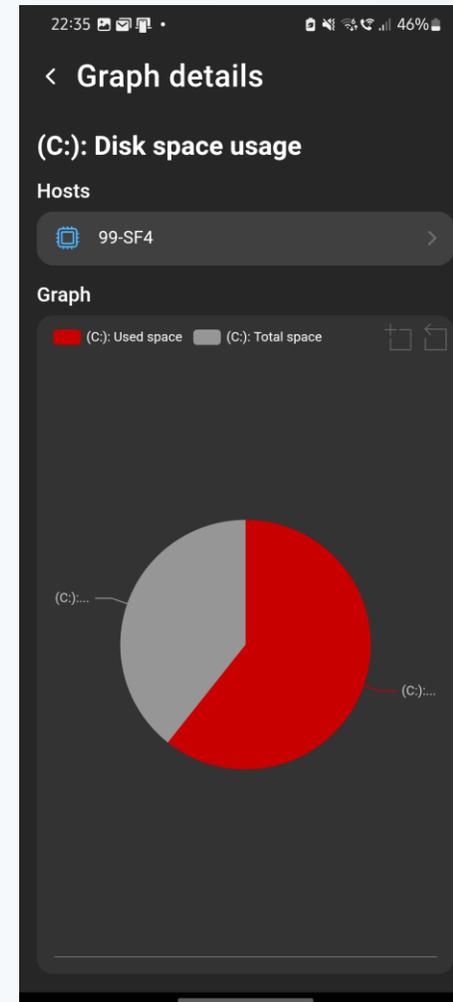
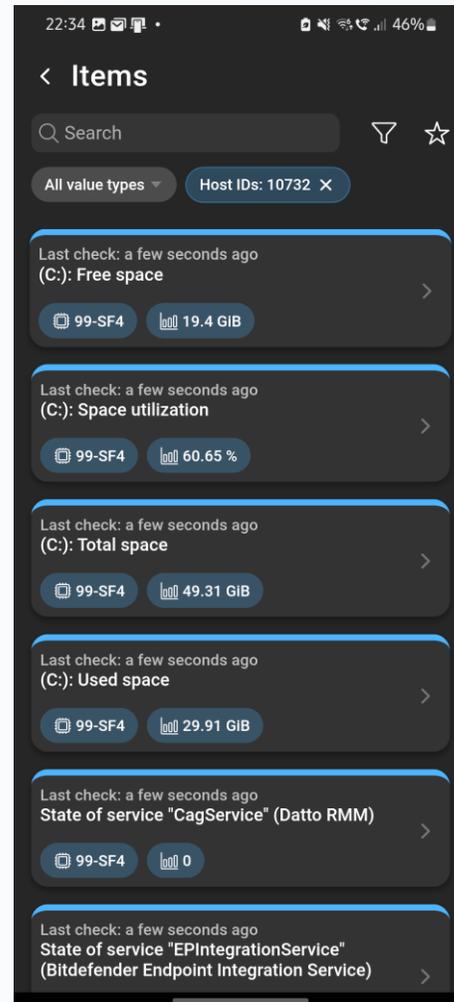
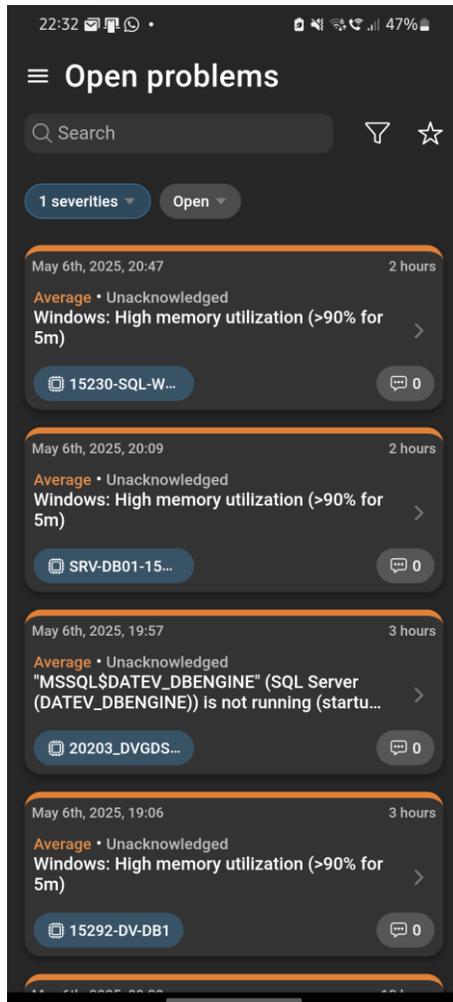
Min. duration: 1D 0h 0m Limit: 15

Time	Duration ↓	Host	Sev	Problem	Acknowledged
<a href="#">02.04.25, 01:10</a>	1M 6D 17h	CTX Netscaler VPX1	HIG	Zertifikat wild.ibeco-cloud.com_24-25 läuft ab	✗
<a href="#">02.04.25, 01:11</a>	1M 6D 17h	CTX Netscaler VPX2	HIG	Zertifikat wild.ibeco-cloud.com_24-25 läuft ab	✗
<a href="#">02.04.25, 01:12</a>	1M 6D 17h	CTX-MFA-01	HIG	Zertifikat wild.ibeco-cloud.com_24-25 läuft ab	✗
02.04.25, 09:45		d.chakrabarty suppressed			
<a href="#">02.04.25, 01:12</a>	1M 6D 17h	HEX Netscaler VPX1	HIG	Zertifikat wild.ibeco-cloud.com_24-25 läuft ab	✗
<a href="#">02.04.25, 01:12</a>	1M 6D 17h	HEX Netscaler VPX2	HIG	Zertifikat wild.ibeco-cloud.com_24-25 läuft ab	✗
<a href="#">03.04.25, 01:12</a>	1M 5D 17h	CTX-MFA-01	HIG	Zertifikat wild.ibeco-mail.com_24-25 läuft ab	✗
<a href="#">03.04.25, 01:12</a>	1M 5D 17h	HEX Netscaler VPX1	HIG	Zertifikat wild.ibeco-mail.com_24-25 läuft ab	✗
<a href="#">03.04.25, 01:12</a>	1M 5D 17h	HEX Netscaler VPX2	HIG	Zertifikat wild.ibeco-mail.com_24-25 läuft ab	✗
<a href="#">10.04.25, 01:10</a>	28D 17h 20m	CTX Netscaler VPX1	HIG	Zertifikat wild_bontax.de_24_25 läuft ab	✗
<a href="#">10.04.25, 01:11</a>	28D 17h 20m	CTX Netscaler VPX2	HIG	Zertifikat wild_bontax.de_24_25 läuft ab	✗

NCL – Not classified   INF – Information   WRN – Warning   AVG – Average   HIG – High   DIS – Disaster

# 4. Beispiel-Szenario: DataForge APP

- ▶ Ansichten der App
  - Offene Probleme, Items, Graphen, Dashboard





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GERMANY

Vielen Dank für die  
Aufmerksamkeit



**Andreas Brock**

CEO Founder

Clouledge GmbH

uplink: outgoing

2.12 Kbps

