

# PREPARE FOR THE **WEBINAR**

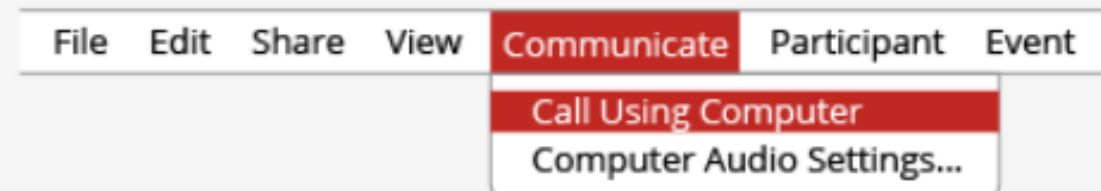
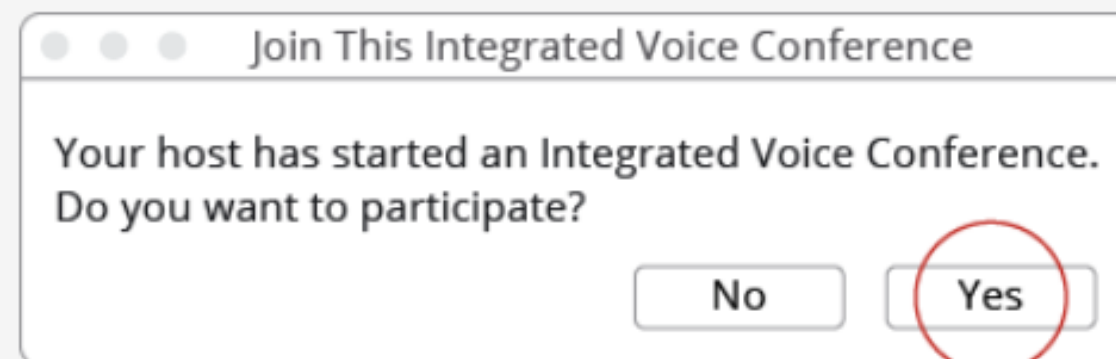
1

Make sure you have connected your loudspeakers or headphones and **sound is turned on.**



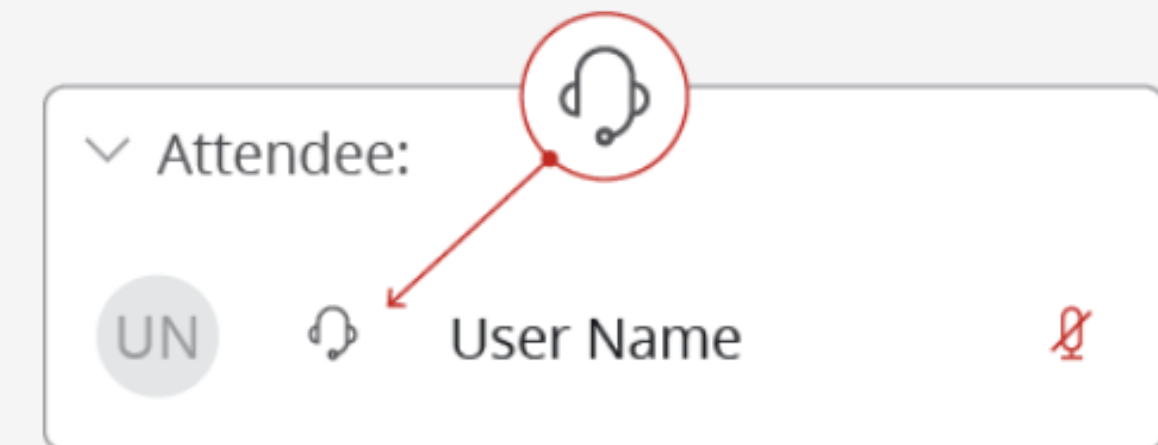
2

Press **“Yes”** or select **“Call Using Computer”** to join audio.



3

An **icon of a headphone** should appear to the left from

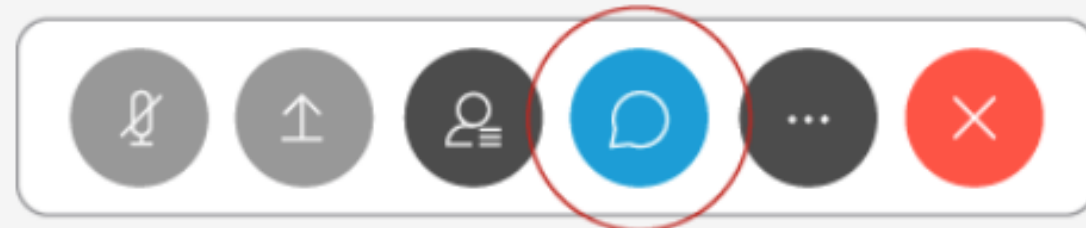


**Issues with audio may appear at some distributions of Linux.** As alternative, try using MacOS, Windows or smartphone to listen to presentation or contact us in chat.

# WANT TO ASK A QUESTION?

1

Move your mouse to the bottom of the screen. **A Webex bar should appear.**

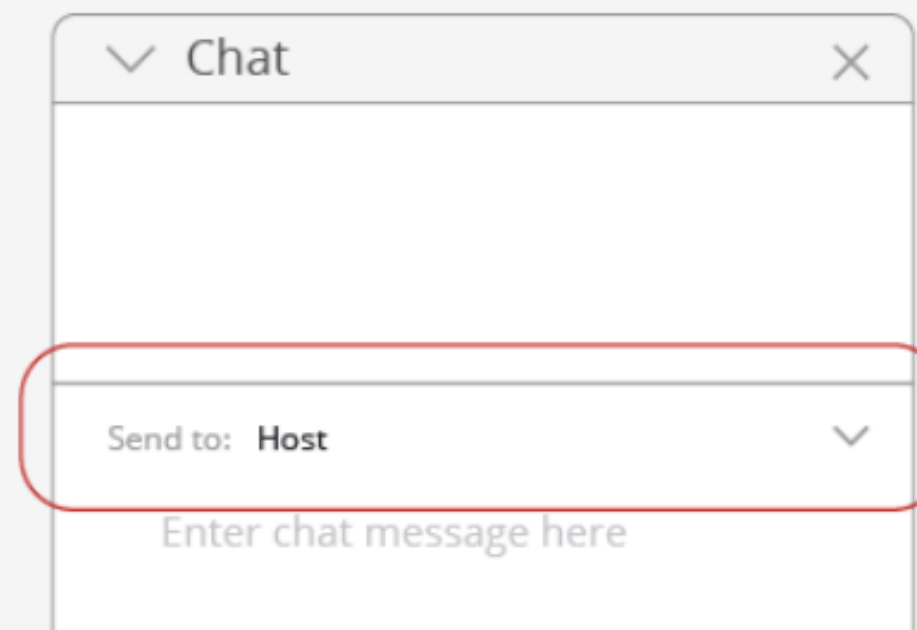


**Click «Chat» button.** Chat box will appear



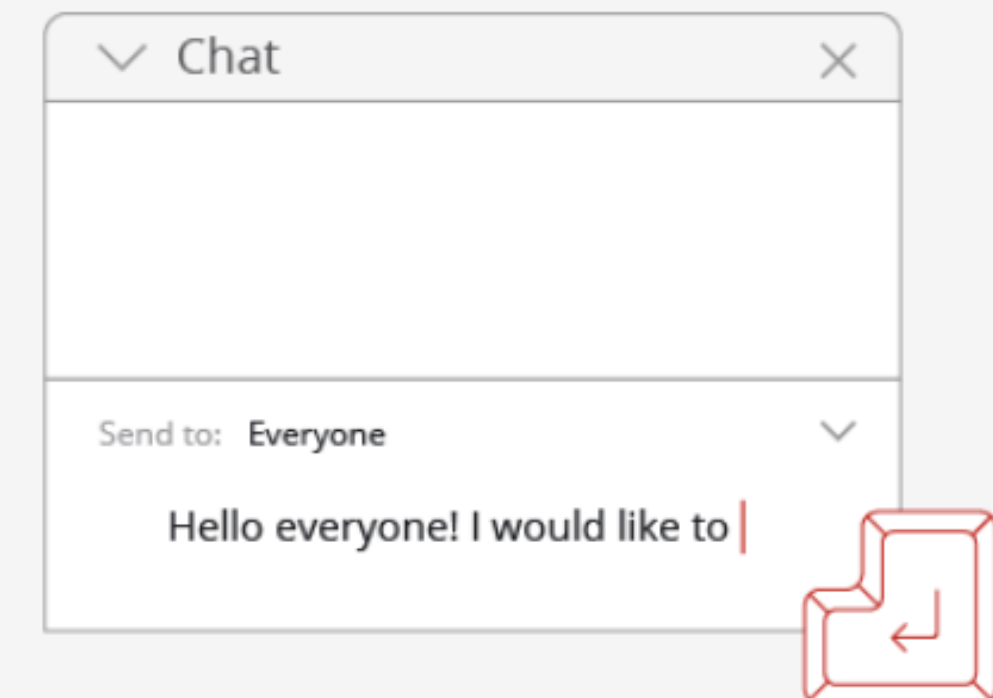
2

Select **«Send to: Everyone»** to ask question to everybody, or specific person from the list to ask question privately.



3

Type in your question. **Press «Enter».**





**Peter Langoš**

CONSULTANT SENIOR



T: +421 2 58 273 111

M: +421 905 310099

[peter.langos@snt.sk](mailto:peter.langos@snt.sk)

[www.snt.sk](http://www.snt.sk)

 Peter Langos

[S&T SLOVAKIA](#) | [MLYNSKÉ NIVY 71](#) | [82105 BRATISLAVA](#) | [SLOVAKIA](#)

**s&t**

**ZABBIX**  
PREMIUM PARTNER

# Upcoming S&T webinars

zabbix@snt.sk



**Stanislav Ťažiar**

CONSULTANT SENIOR



T: +421 2 58 273 142

M: +421 905 210301

stanislav.taziar@snt.sk

29.10.2020 10:00

Monitoring SNMP trapov a log súborov v prostredí nástroja  
Zabbix a metódy ich spracovania



**Marek Konečný**

CONSULTANT SENIOR



T: +421 2 58 273 128

M: +421 905 618324

marek.konecny@snt.sk

5.11.2020 10:00

Výkonný Business Service Management v prostredí  
nástroja Zabbix





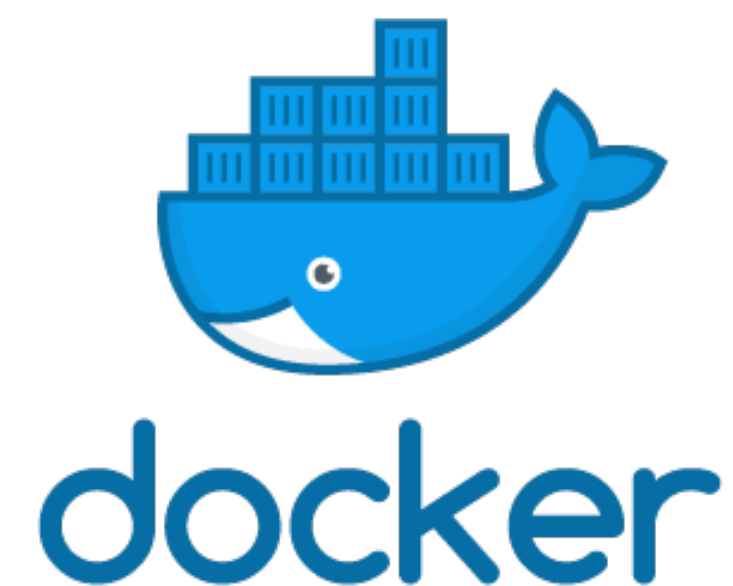
ZABBIX

Vývojové prostredia Zabbix na  
Kubernetes klastrí (rôzne verzie)

# OBSAH WEBINÁRU

Vývojové prostredia Zabbix na Kubernetes klastri (rôzne verzie)

1. Motivácia a riešenie
2. Zabbix docker hub
3. Kubernetes koncepty
4. Cieľ webináru
5. Live demo
6. Q&A



# MOTIVÁCIA A RIEŠENIE

- ⊗ Rôzne verzie Zabbixu ( LTS vs. standard )
- ⊗ Rôzni zákazníci
- ⊗ Potreba rýchleho nasadenia
- ⊗ Limitované zdroje ( napr. počet serverov )
- ⊗ Zabbix + Docker + Kubernetes

## Currently Supported Zabbix releases

Release name	Release date	End of Full Support*	End of Limited Support**
Zabbix 5.0 LTS	May 12, 2020	May 31, 2023	May 31, 2025
Zabbix 4.4	October 7, 2019	May 31, 2020	June 30, 2020
Zabbix 4.0 LTS	October 1, 2018	October 31, 2021	October 31, 2023
Zabbix 3.0 LTS	February 16, 2016	February 28, 2019	February 28, 2021

\* Full Support services include fixing of general, critical and security issues.

\*\* Limited Support services include fixing of critical and security issues only. Zabbix does not guarantee any code fixes for older releases and non-stable releases.

# ZABBIX DOCKER HUB

- ✓ <https://hub.docker.com/u/zabbix/>
- ✓ Zabbix docker kontajnery pre jednotlivé komponenty  
( zabbix server, zabbix proxy, zabbix web, zabbix java gateway, zabbix agent, zabbix snmp traps )
- ✓ 3 platformy OS kontajnerov  
( alpine, centos, ubuntu )
- ✓ Podporované databázy  
( MySQL, PostgreSQL, SQLite3 - pre zabbix proxy)



# ZABBIX DOCKER HUB

## ☑ Podporované verzie Zabbixu

### Zabbix server images

These are the only official Zabbix server Docker images. They are based on Alpine Linux v3.11, Ubuntu 18.04 (bionic) and CentOS 7 images. The available versions of Zabbix server are:

```
Zabbix server 3.0 (tags: alpine-3.0-latest, ubuntu-3.0-latest, centos-3.0-latest)
Zabbix server 3.0.* (tags: alpine-3.0.*, ubuntu-3.0.*, centos-3.0.*)
Zabbix server 3.2 (tags: alpine-3.2-latest, ubuntu-3.2-latest, centos-3.2.*) (unsupported)
Zabbix server 3.2.* (tags: alpine-3.2.*, ubuntu-3.2.*, centos-3.2.*) (unsupported)
Zabbix server 3.4 (tags: alpine-3.4-latest, ubuntu-3.4-latest, centos-3.4.*) (unsupported)
Zabbix server 3.4.* (tags: alpine-3.4.*, ubuntu-3.4.*, centos-3.4.*) (unsupported)
Zabbix server 4.0 (tags: alpine-4.0-latest, ubuntu-4.0-latest, centos-4.0-latest)
Zabbix server 4.0.* (tags: alpine-4.0.*, ubuntu-4.0.*, centos-4.0.*)
Zabbix server 4.2 (tags: alpine-4.2-latest, ubuntu-4.2-latest, centos-4.2.*) (unsupported)
Zabbix server 4.2.* (tags: alpine-4.2.*, ubuntu-4.2.*, centos-4.2.*) (unsupported)
Zabbix server 4.4 (tags: alpine-4.4-latest, ubuntu-4.4-latest, centos-4.4-latest)
Zabbix server 4.4.* (tags: alpine-4.4.*, ubuntu-4.4.*, centos-4.4.*)
Zabbix server 5.0 (tags: alpine-5.0-latest, ubuntu-5.0-latest, centos-5.0-latest, alpine-latest, ubuntu-latest, centos-latest)
Zabbix server 5.0.* (tags: alpine-5.0.*, ubuntu-5.0.*, centos-5.0.*)
Zabbix server 5.2 (tags: alpine-trunk, ubuntu-trunk, centos-trunk)
```

Images are updated when new releases are published. The image with `latest` tag is based on Alpine Linux.

# KUBERNETES KONCEPTY

## ☑ Základné pojmy

<https://kubernetes.io/docs/concepts/>

K8S klaster

Node

Namespace

Pod

Container

Storage

Services

Nodeport

# CIEĽ WEBINÁRU

- ☑ Inštalácia 3 Zabbix prostredí

  - Kubernetes klaster = 3 servery ( 1 x master node, 2 x worker node )

- ☑ Verzie Zabbix prostredí

  - 4.0.x , 5.0.x, 5.2.x

- ☑ Inštalované komponenty

  - zabbix server

  - zabbix proxy

  - zabbix java gateway

  - zabbix snmpt traps

  - zabbix agent

  - mysql databáza

# LIVE DEMO

ZABBIX DEMO





Thank you!





**Peter Langoš**

CONSULTANT SENIOR



T: +421 2 58 273 111

M: +421 905 310099

[peter.langos@snt.sk](mailto:peter.langos@snt.sk)

[www.snt.sk](http://www.snt.sk)

 Peter Langos

[S&T SLOVAKIA](#) | MLYNSKÉ NIVY 71 | 82105 BRATISLAVA | SLOVAKIA

**s&t**

**ZABBIX**  
PREMIUM PARTNER

# Upcoming S&T webinars

zabbix@snt.sk



**Stanislav Ťažiar**

CONSULTANT SENIOR



T: +421 2 58 273 142

M: +421 905 210301

stanislav.taziar@snt.sk

29.10.2020 10:00

Monitoring SNMP trapov a log súborov v prostredí nástroja Zabbix a metódy ich spracovania



**Marek Konečný**

CONSULTANT SENIOR



T: +421 2 58 273 128

M: +421 905 618324

marek.konecny@snt.sk

5.11.2020 10:00

Výkonný Business Service Management v prostredí nástroja Zabbix