

# Automate yourself out of a job: Use ChatOps!

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**Experts**  Live Netherlands

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@Jaap\_Brasser



Jaap Brasser  
TME @  rubrik

PowerShell Conference EU/Asia  
Dutch PowerShell User Group  
Blogger / Speaker / Tech Enthusiast



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# Agenda

- What?
- How?
- Technologies?
- Integrate?
- Demos!



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| What is ChatOps?



# HUBOT

(note: it's pronounced  
hew-bot)

A CUSTOMIZABLE,  
LIFE EMBETTERMENT ROBOT

COMMISSIONED BY GITHUB

4. **AFFILIATED COMPANY**  
 INCLUDE AFFILIATED COMPANY LOSS IF APPLICABLE

5. SIGNATURE OF INVENTOR  
PLEASE DO NOT ATTEMPT TO SIGN WHILE OVERHEATED

1. GIVEN NAME OF INVENTION  
PLANTING AND EARLY HIGH-INTENSITY HARVESTING

## 2. DESCRIPTION OF INVENTION

☐ [VIEW HUBOT'S DOCUMENTATION](#)  
(LEARN ABOUT GETTING STARTED, ETC.)

VIEW HUBOT'S SOURCE CODE  
(VIA [HTTP://GITHUB.COM/GITHUB/HUBOT/](http://github.com/github/hubot/))

# Where does it come from?



Why use it?



Microsoft



# What are WebHooks

- Transfer data over HTTP(s)
- Create triggers based on this data
- Integrate different services
- Methods
  - Get
  - Post



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# Demo - WebHook





# Demo Summary

---

Configure Web Hooks

Send message using a Webhooks

PSSlack module

Web Hooks and Microsoft Teams

# Webhooks

```
$WebHookSplat = @{
    Method = 'post'
    ContentType = 'Application/Json'
    Body = '{"text":"Hello Experts Live!"}'
    Uri = 'https://hooks.slack.com/services/T
}
```

Invoke-WebRequest @WebHookSplat

```
$SlackMessage = @{
    Uri = 'https://hooks.slack.com/services/T
    Text = 'Hello Experts Live!'
}
Send-SlackMessage @SlackMessage
```

```
{
  "attachments": [
    {
      "color": "ff0000",
      "title": "Slack attachment example",
      "text": "Optional text that appears within the attachment",
      "fields": [
        {
          "title": "Security log errors",
          "value": "$SysErrors",
          "short": false
        }
      ]
    },
    {
      "color": "ffff00",
      "title": "Slack attachment example",
      "text": "Optional text that appears within the attachment",
      "fields": [
        {
          "title": "Security log warnings",
          "value": "$SysWarnings",
          "short": false
        }
      ]
    }
  ]
}
"@
```



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# What can we use this for?

- Logging
- Automatically share status with team
- Triggered events



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# Demo – Configuring PoshBot





# Demo Summary

---

Created Slack API Token

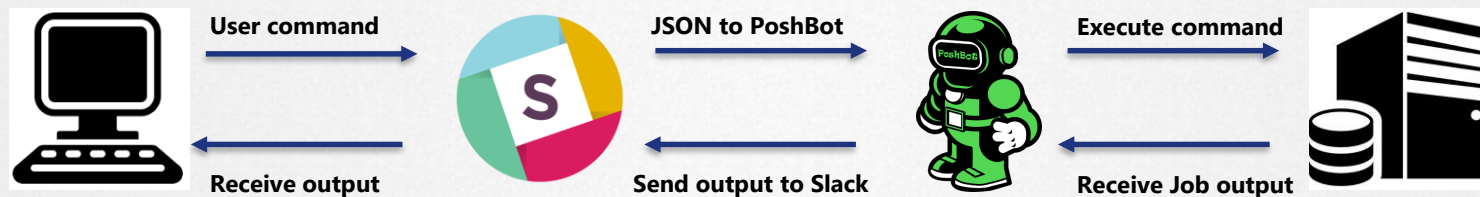
Installed PoshBot

Configured PoshBot

Showed basic functionality

Install additional modules

# Slack Connectivity



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# Demo – Use cases







# Demo Summary

---

Check connectivity

Check disk space report

Retrieve events from Eventlog

Check Service status

Restart Service

Restart Machine

Execute arbitrary code

A yellow and black humanoid robot is positioned in the center of the frame, standing on a grey floor. The robot has a yellow torso and upper arms, with black joints and lower arms. Its legs are black with yellow joints. The background shows a workshop or laboratory setting with blue storage cabinets on the left and right, and a doorway with a red exit sign above it in the center. The lighting is somewhat dim, and the overall scene is slightly blurred.

What's the use case?

- Platform for existing scripts
- Central logging location
- Teach-by-example in team chat
- Combine data from multiple sources
- Access from any device
- Distributed teams using central Chat



# ChatOps Platform



The image features a perspective view of a tunnel formed by curved lines of binary code (0s and 1s) in shades of blue and teal. The lines recede into the distance, creating a sense of depth. In the center of this digital tunnel, the words "Gather information" are written in a clean, white, sans-serif font.

Gather information



[illegible]



Any **Time**



Any **Where**



Any **Device**

# Summary

- What do we like about ChatOps
- How to implement it
  - PoshBot
  - Webhooks
- What usage scenarios



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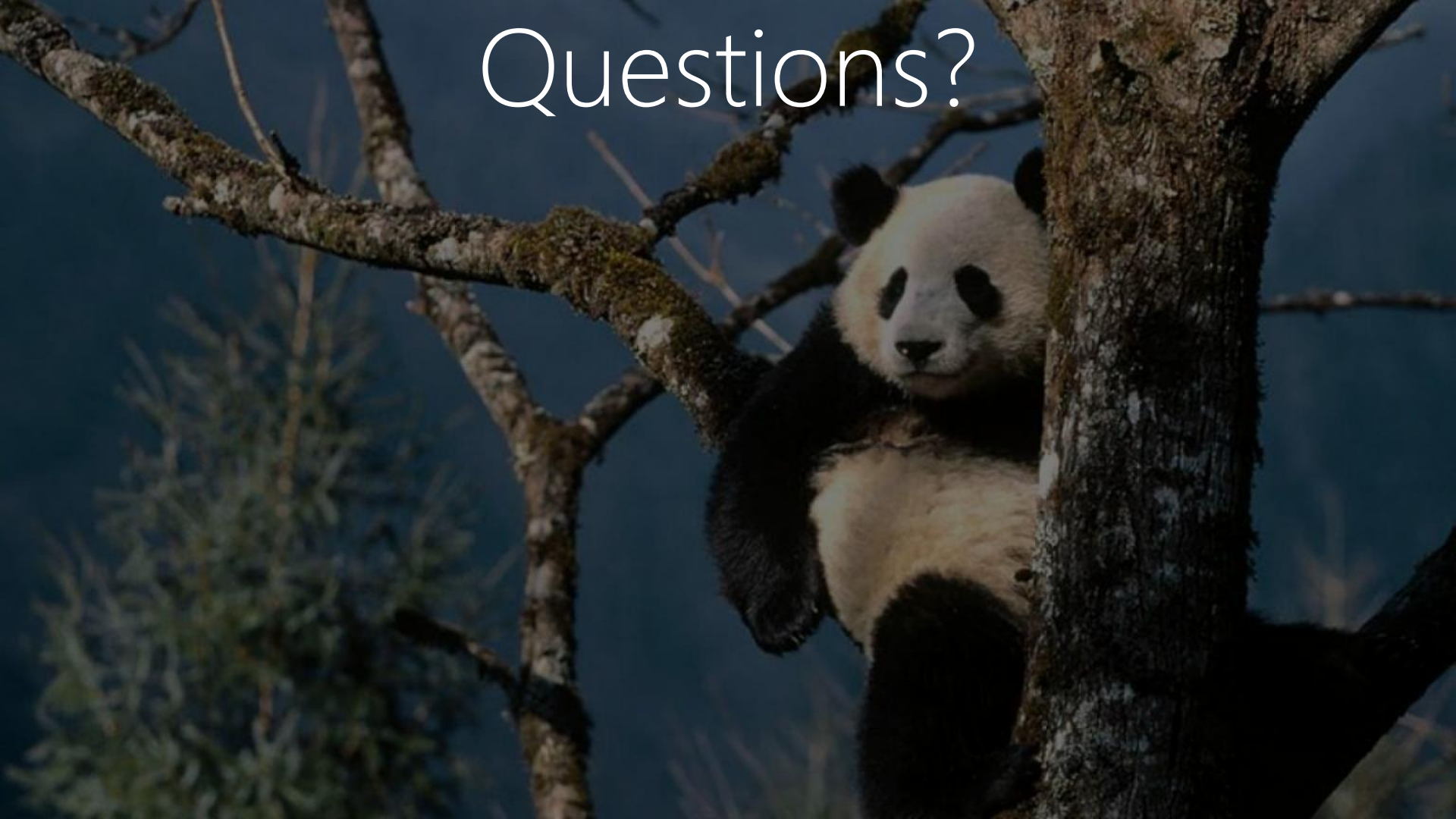
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Questions?





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For more information:

[aka.ms/frsblog](https://aka.ms/frsblog)



An abstract graphic on the left side of the slide. It features a white silhouette of a person standing and reaching upwards with both arms. A thick vertical line, colored in shades of green and yellow, runs through the person. Several thick, flowing ribbons in blue and dark blue swirl around the person and the vertical line, creating a sense of movement and dynamic energy.

16:15 – 17:15

# Next generation cloud: Serverless and event driven applications

Anders Eide