



# LABKA

# SENSENET AI PLATFORM

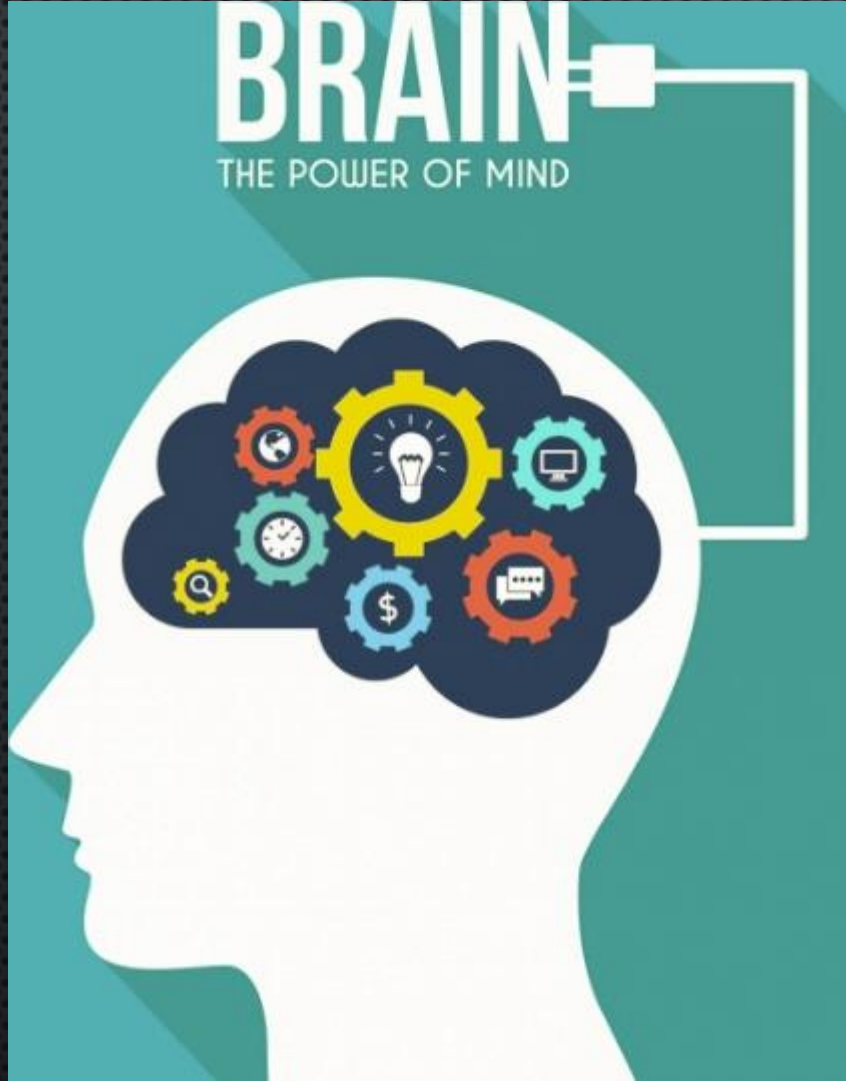
AUTOR: ADAM LICHNOVSKÝ

DATUM: 13.11.2017

## ÚVOD



- CO: POZNÁMKOVÉ BLOKY A TUŽKY
- KDY: 16.11.2017
- OD: 18:00 DO: 18.30
- PŘESTÁVKA: 18:30-18:40
- VOLNÁ DISKUZE: 18:40-19:30



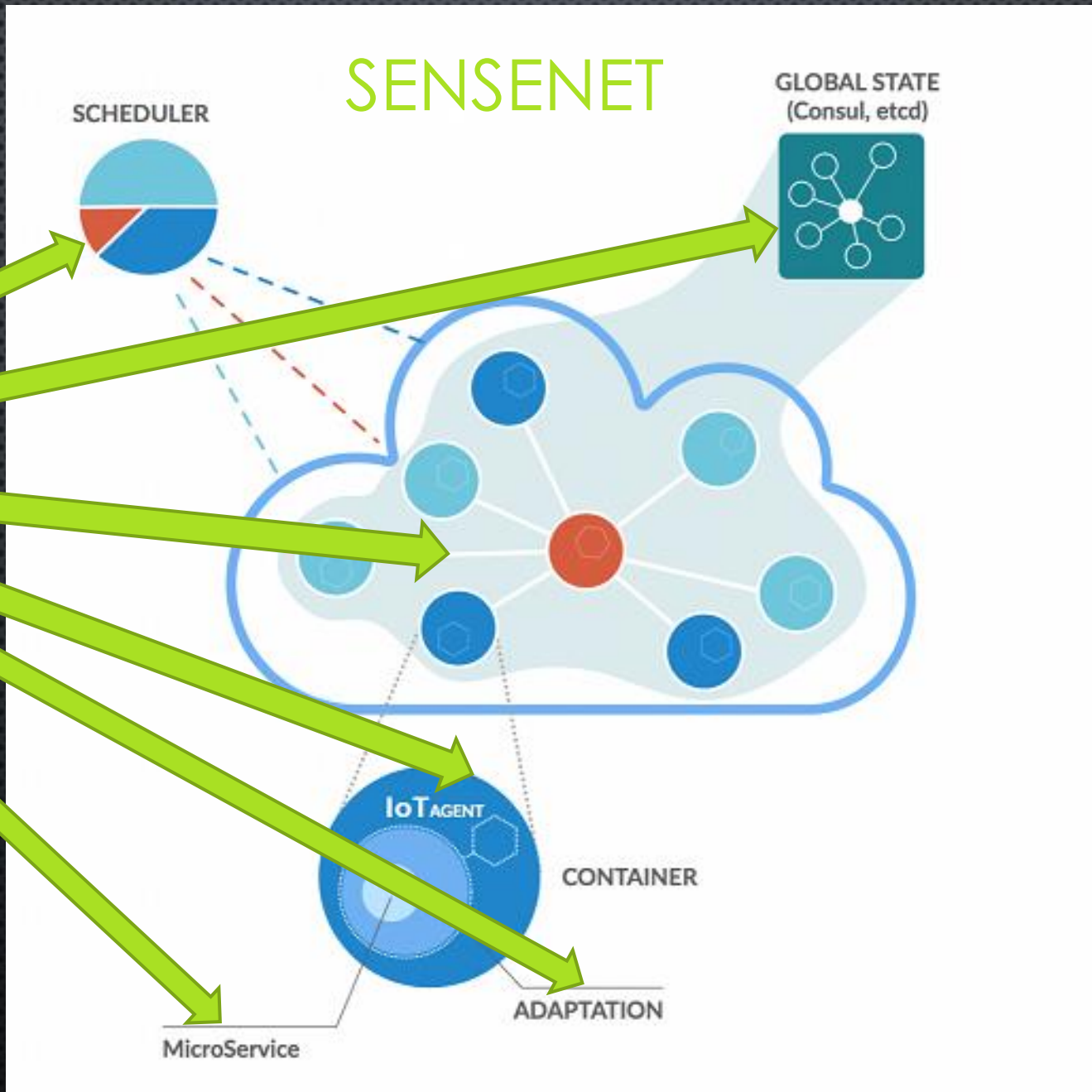
## OBSAH

- MOTIVACE
- SENSENET HARDWARE
- NÁVRHY:
  - AI INFRA DESIGN
  - AI DOCKER DESIGN
  - AI APLIKAČNÍ DESIGN
  - AI DEVOPS DESIGN
- NÁVAZNOST NA IOT PLATFORMU

# AI PLATFORMA

## MOTIVACE A VIZE

- DIPLOE



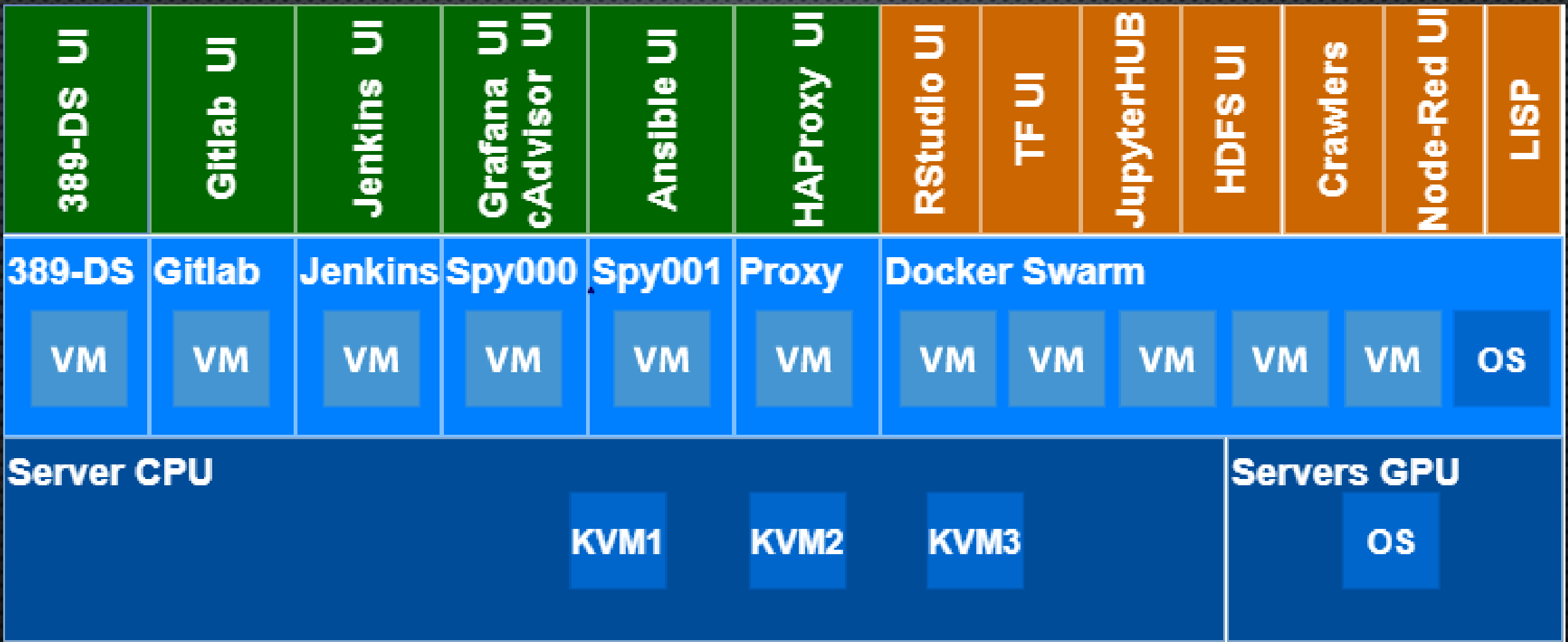
# SenseNet Hardware

- Wintermute
- Coastalhighway
- Panzer
- ExRazzy
- Hovnocuc
- Switche
- Routery
- Raspberry Pi

AI  
PLATFORMA

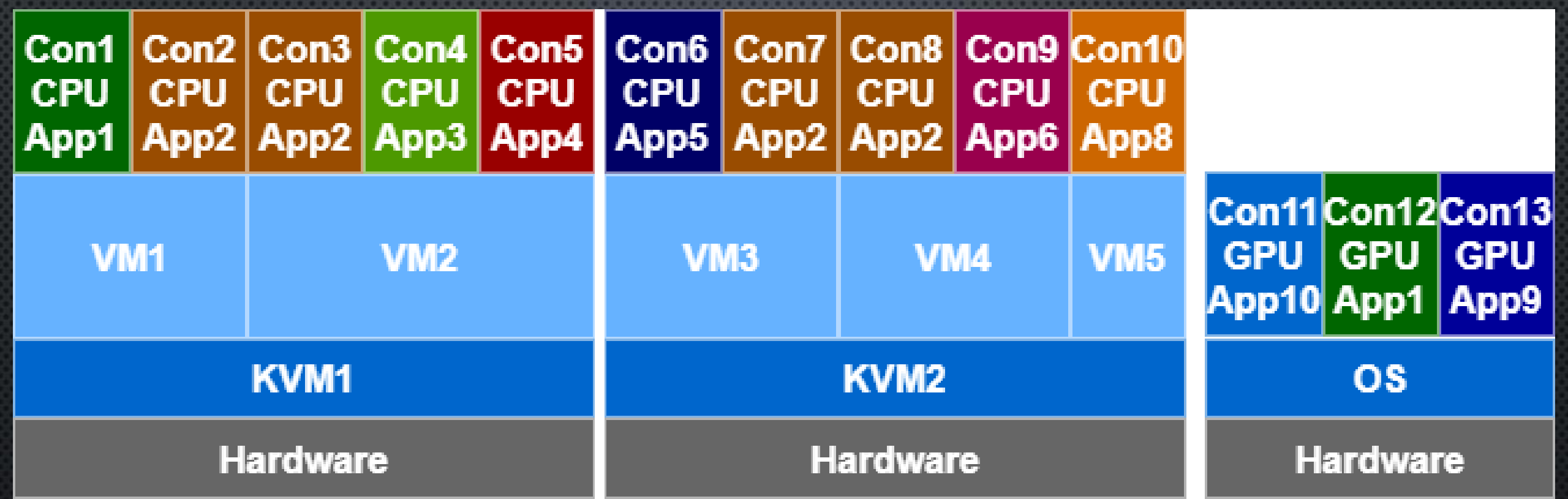
# AI PLATFORMA

## AI INFRA DESIGN



# AI PLATFORMA

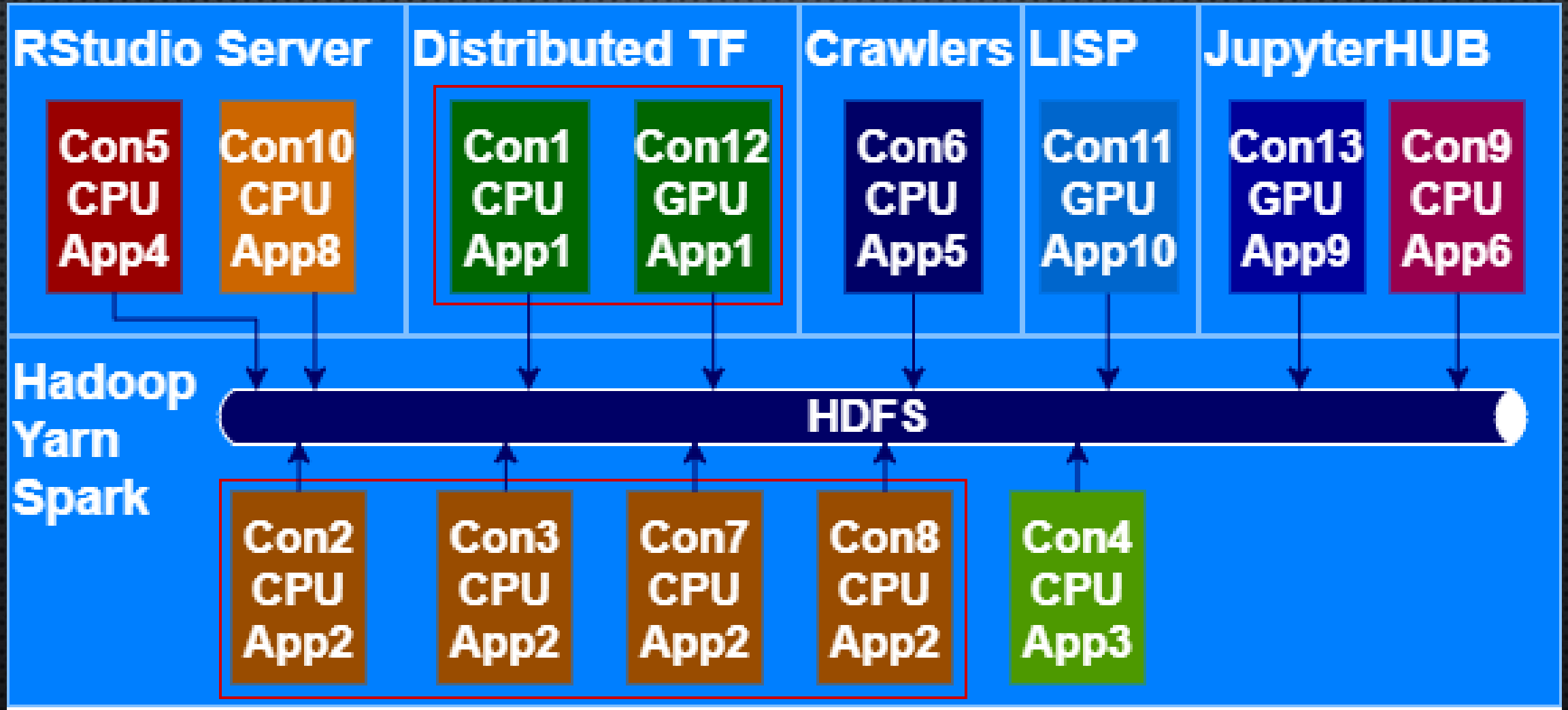
## AI DOCKER DESIGN





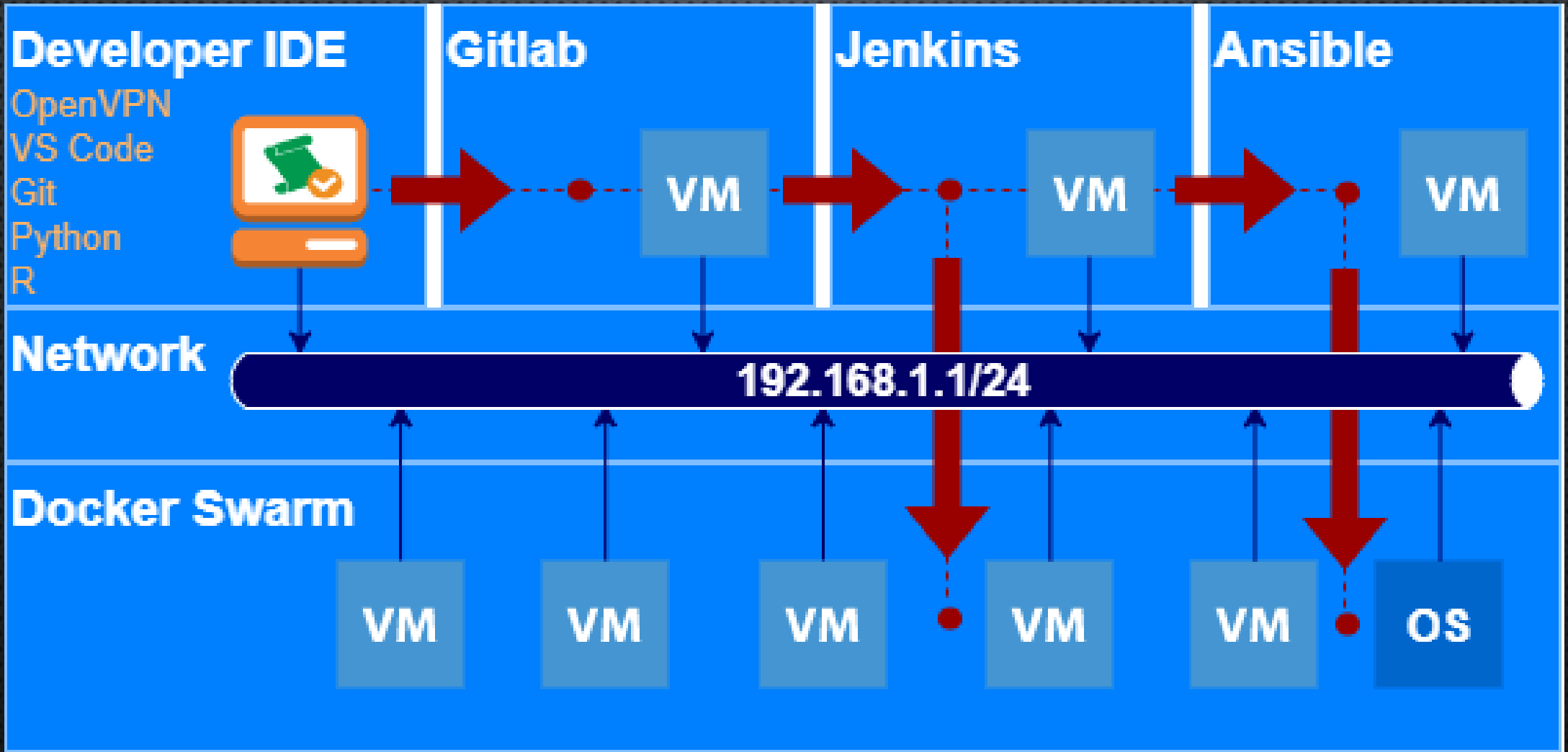
# AI PLATFORMA

## AI APLIKAČNÍ DESIGN



# AI PLATFORMA

## AI DEVOPS DESIGN



# AI PLATFORMA



- NÁVAZNOST NA IOT PLATFORM
- IOT DATA
- IOT AGENT

AI PLATFORMA



- PŘESTÁVKA

AI PLATFORMA



- OTÁZKY A ODPOVĚDI

AI PLATFORMA



- DĚKUJI ZA POZORNOST

# REFERENCE

- SENSENET INFRA [HTTPS://LABKA.CZ/WIKI/DOKU.PHP?ID=PROJECT:SESNORICNET:INFRASTRUCTURE](https://labka.cz/wiki/doku.php?id=project:senoricnet:infrastructure)
- SENSENET IOT PLATFORM INFRA [HTTPS://LABKA.CZ/WIKI/DOKU.PHP?ID=PROJECT:SENSORICNET:IOT:INFRA](https://labka.cz/wiki/doku.php?id=project:sensoricnet:iot:infra)
- SENSENET AI PLATFORM INFRA [HTTPS://LABKA.CZ/WIKI/DOKU.PHP?ID=PROJECT:SENSORICNET:AI:INFRASTRUCTURE](https://labka.cz/wiki/doku.php?id=project:sensoricnet:ai:infrastructure)
- EVOLVING CONTAINER ARCHITECTURES [HTTPS://WIKIBON.COM/EVOLVING-CONTAINER-ARCHITECTURES/](https://wikibon.com/evolving-container-architectures/)
- APP CONTAINER SEC [HTTP://NVLPUBS.NIST.GOV/NISTPUBS/SPECIALPUBLICATIONS/NIST.SP.800-190.PDF](http://nvlpubs.nist.gov/nistpubs/specialpublications/nist.sp.800-190.pdf)
- OPENSSL CIPHERS [HTTPS://WWW.OPENSLL.ORG/DOCS/MANMASTER/APPS/CIPHERS.HTML](https://www.openssl.org/docs/manmaster/apps/ciphers.html)
- FLOCKER [HTTPS://GITHUB.COM/CLUSTERHQ/FLOCKER](https://github.com/clusterhq/flocker)
- MICROSERVICES [HTTPS://AZURE.MICROSOFT.COM/CS-CZ/BLOG/DESIGN-PATTERNS-FOR-MICROSERVICES/](https://azure.microsoft.com/cs-cz/blog/design-patterns-for-microservices/)
- AWS LAMBDA [HTTPS://AWS.AMAZON.COM/LAMBDA/](https://aws.amazon.com/lambda/)
- MICROSOFT AZURE FUNCTIONS [HTTPS://AZURE.MICROSOFT.COM/EN-US/SERVICES/FUNCTIONS/](https://azure.microsoft.com/en-us/services/functions/)
- IBM OPENWHISK [HTTPS://DEVELOPER.IBM.COM/OPENWHISK/](https://developer.ibm.com/openwhisk/)