



HIFIS Workflow Demo **Online demo on 22.nd October 2020**

Janne Schulz (KIT), Paul Millar (DESY) et. al.

HIFIS Workflow Demo

Task

- Common problem: video is shaky
- Solution: „de-shake“ it – with massive compute & storage power
- Is HIFIS capable for this task?
- Lets find out...

HIFIS Workflow Demo

Do we have the service provider we need?



HIFIS Workflow Demo

Service Provider for Storage



HIFIS Workflow Demo

Service Provider for Storage



HIFIS Workflow Demo

Service Provider for **Compute**



HIFIS Workflow Demo

Service Provider for Compute



HIFIS Workflow Demo

Service Provider for Scripts & Control



HIFIS Workflow Demo

Service Provider for Scripts & Control



HIFIS Workflow Demo

And we need a user...



HIFIS Workflow Demo

And we need a user... me 😊



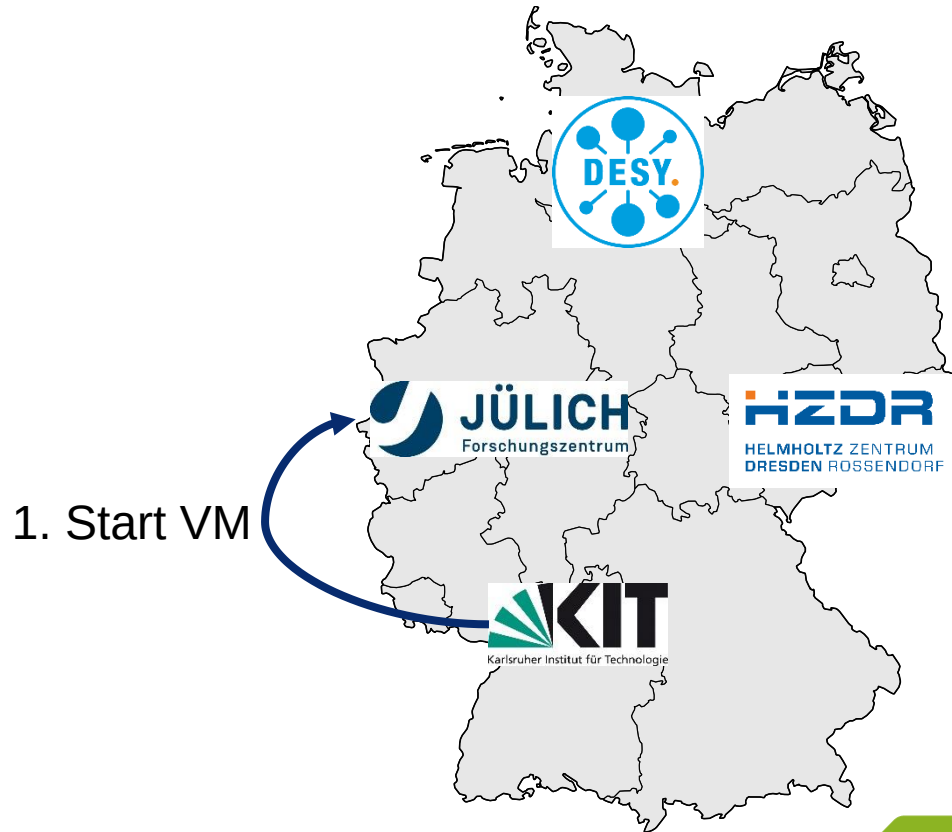
HIFIS Workflow Demo

What I am going to do



HIFIS Workflow Demo

Step 1: Start VM (already up & running)



HIFIS Workflow Demo

Step 2: Login via SSH

2. Login via SSH



HIFIS Workflow Demo

Step 3: Download script from GitLab



3. Download script for video processing

HIFIS Workflow Demo

Step 4: Download source file from dCache

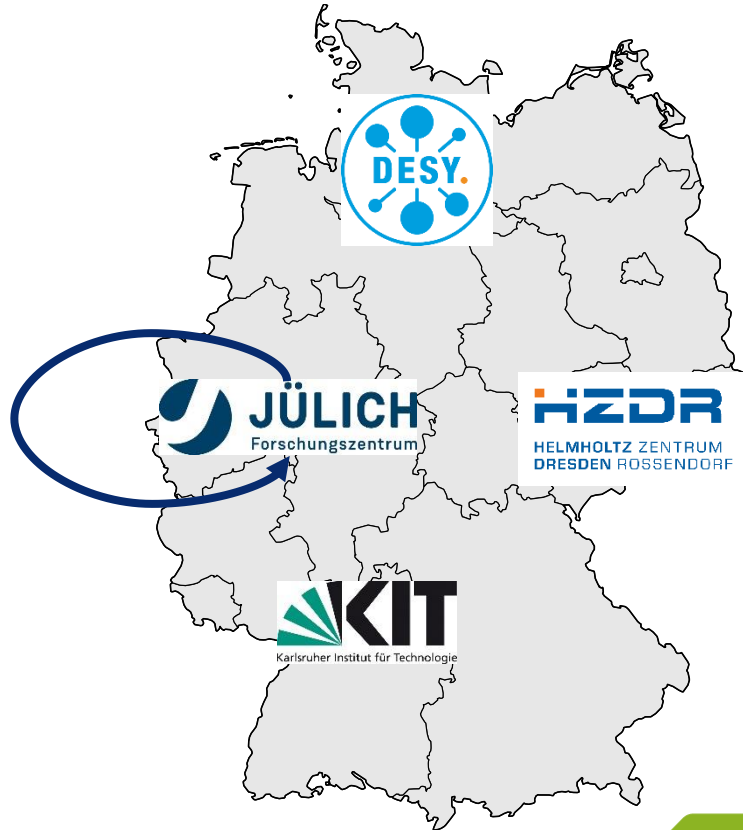
4. Download source
file



HIFIS Workflow Demo

Step 5: Execute script

5. Do the video processing



HIFIS Workflow Demo

Step 6: Upload result files to dCache

6. Upload of the
result files



Jump into the demonstration...

Thanks goes to...

- Paul Millar from DESY
- Sander Apweiler from Jülich
- Fredo Erxleben from HZDR