

Development Operations *CI/CD SAP Data Intelligence Cloud

Dr. Thorsten Hapke, SAP June, 2022





One Tenant or Many Tenants

3 Tenants

Tenants + Workspaces

- Development
- Testing
- Production

1 Tenant

Workspaces

- Development
- Testing
- Production

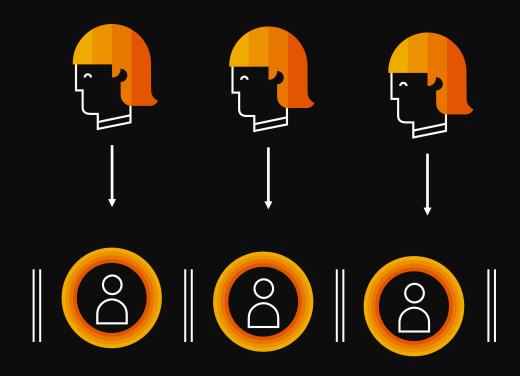
Strict separation of user and data sources

Sophisticated Policy and Connection Management

Avoid performance interdependency

Resource quota for user

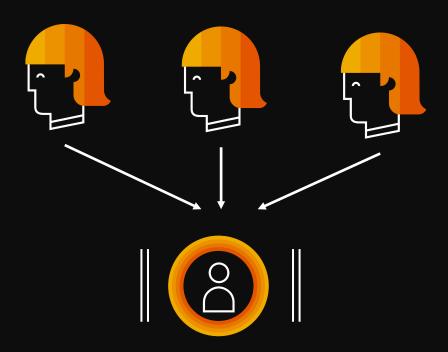
User and Roles



User

Developer

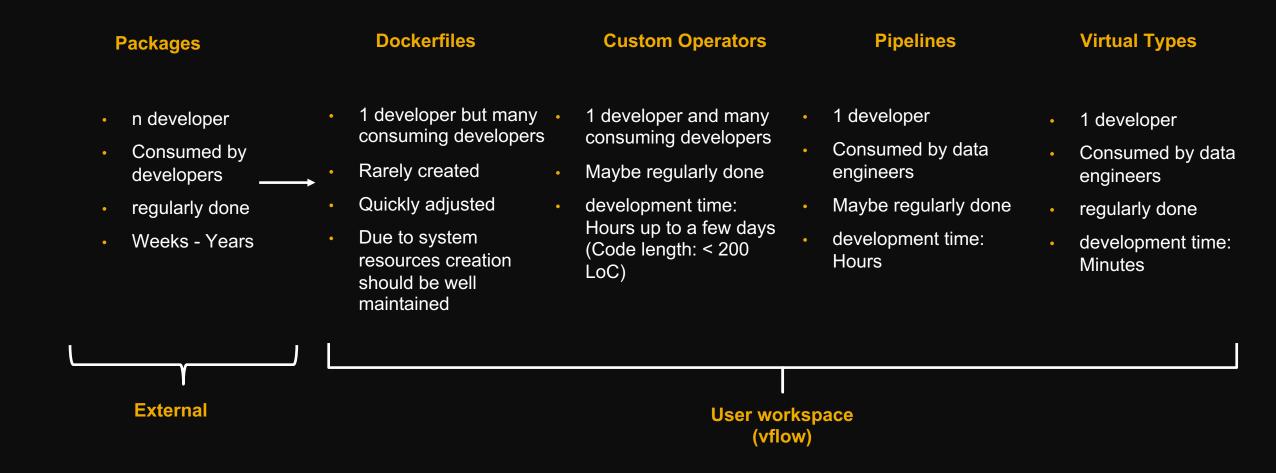
Business User



"Technical" User Test Environment

Productive Environment

Development Objects



CI/CD and **Version Control (git)** Terminology

CI/CD*: Defines process from development, testing to deployment

of applications



Version Control:

Manages the changes of the development objects, e.g. git

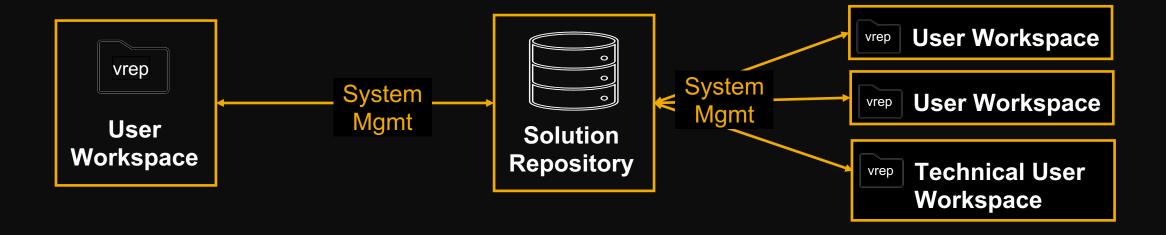


Git can be setup to support Version Control and CI/CD, but the

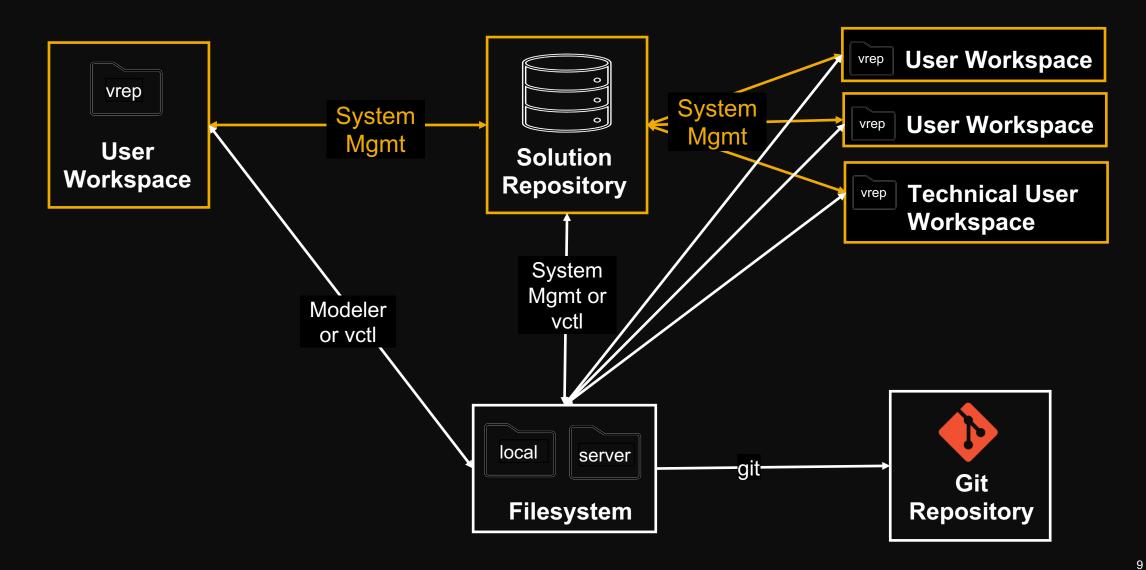
latter in a basic generic way



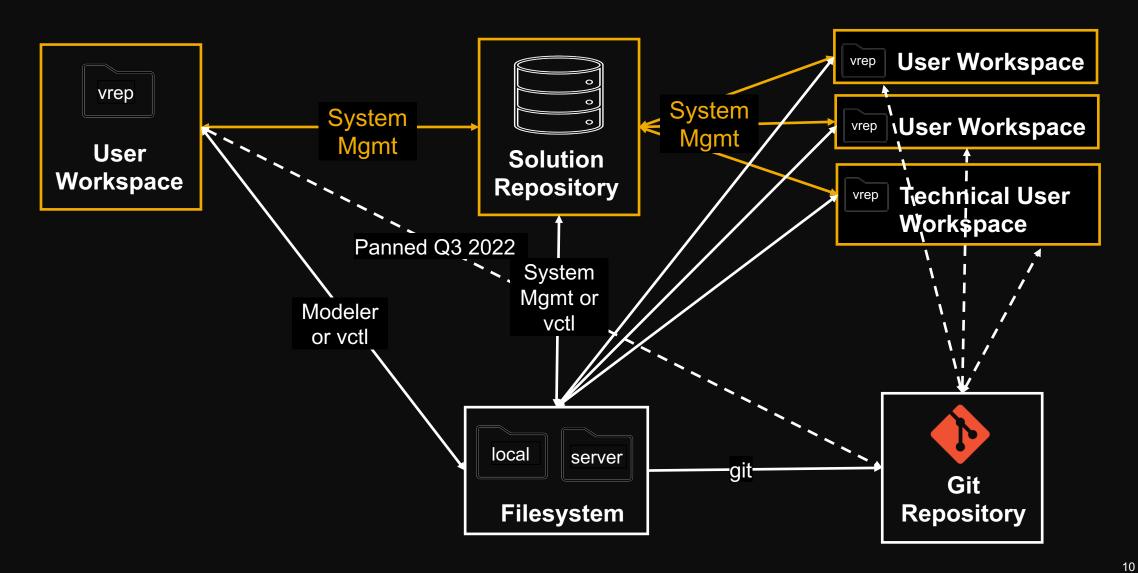
Transport Options Overview



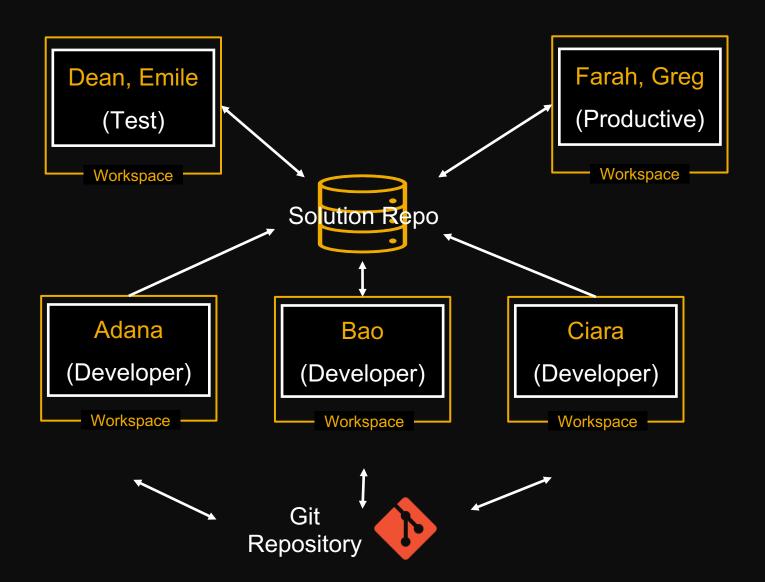
Transport Options Overview



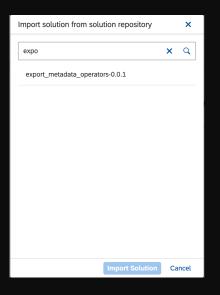
Transport Options Overview



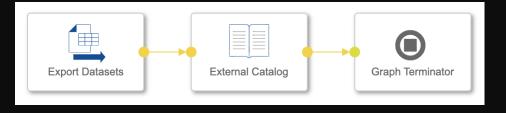
Example Development Process



Import Solutions



Create Pipeline





Upload to Git Repository

```
#!/bin/sh

# login

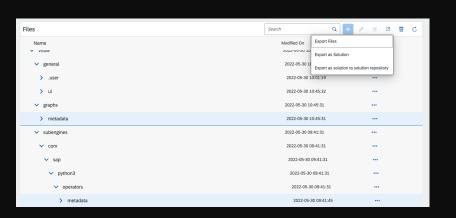
vctl login https://vsystem.ingress
default baow -p b

# export

TARGET="solutions/$2.tar.gz"
echo "vctl cmd: vctl vcrep user export $2 $1"
vctl vrep user export $TARGET $1

# push gi
git add -f $TARGET
git commit -m "diupdate"
git push origin main
```

Upload to Solution Repository



Thank you.

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Transcript and shell-script:

https://github.com/thhapke/diadmin/tree/main/presentations/cicd

