

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

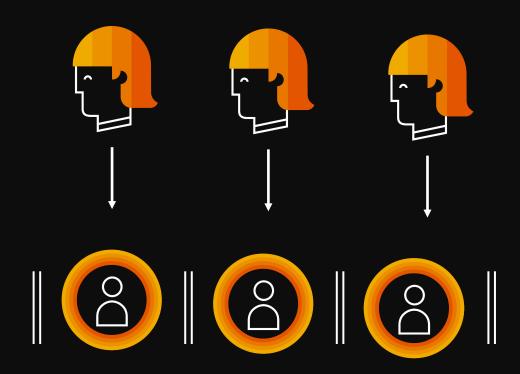
Avoid performance interdependency

+

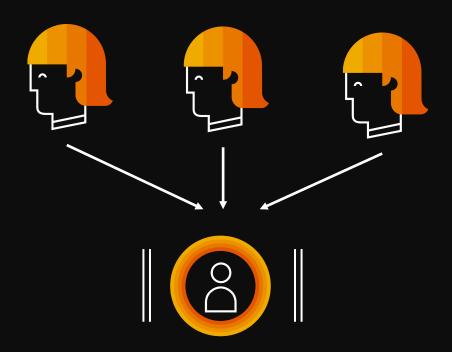
Resource quota for user

2

User and Roles

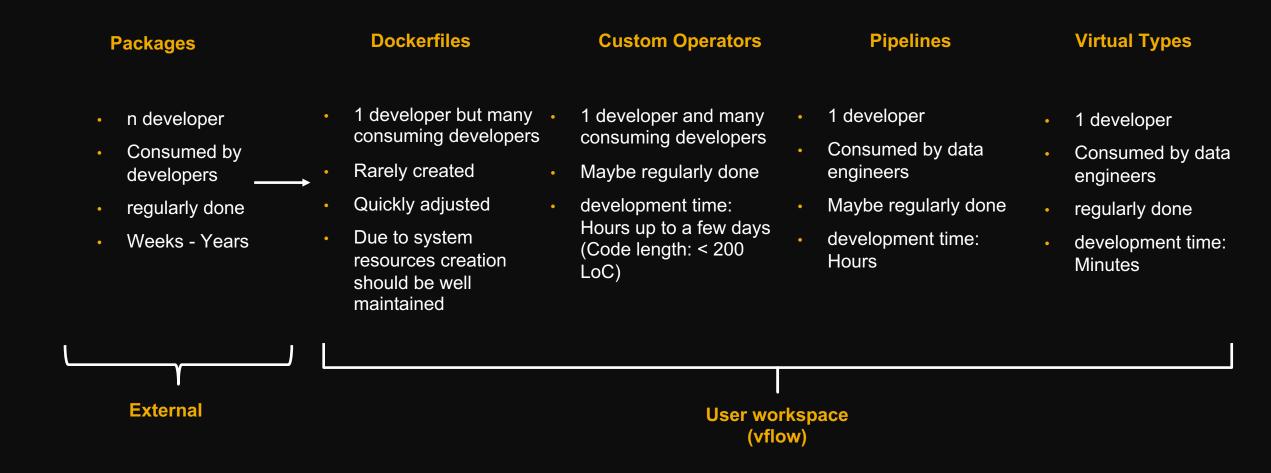


User
Business User



"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



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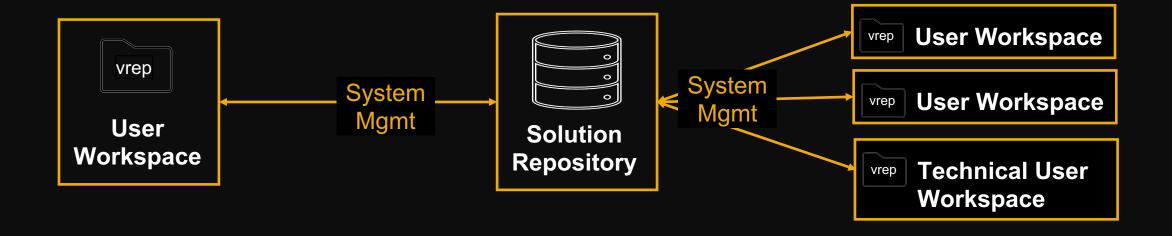
Git can be setup to support Version Control and CI/CD, but the

latter in a basic generic way

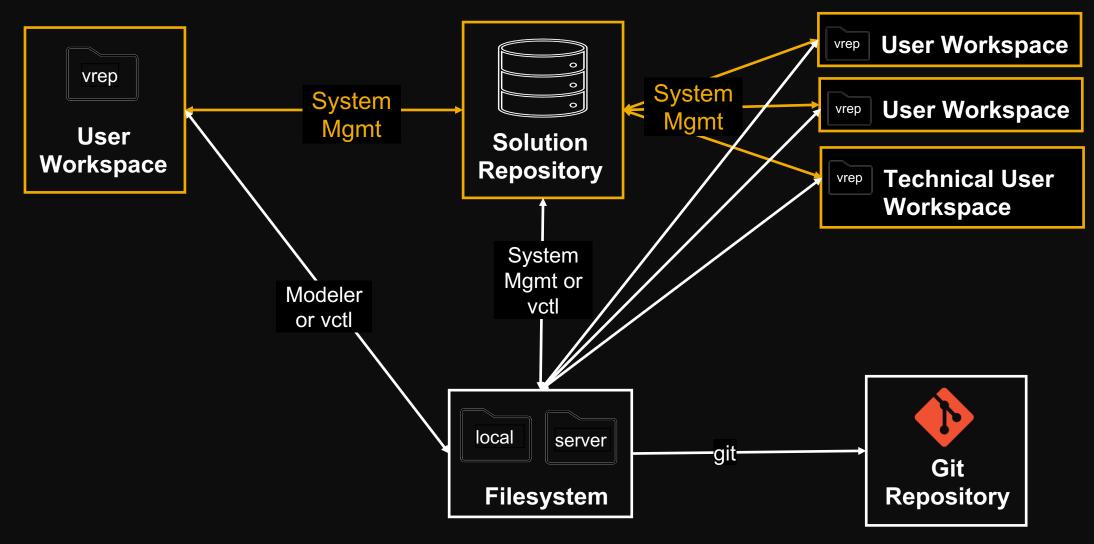


*Continuous Innovation/ Continuous Deployment

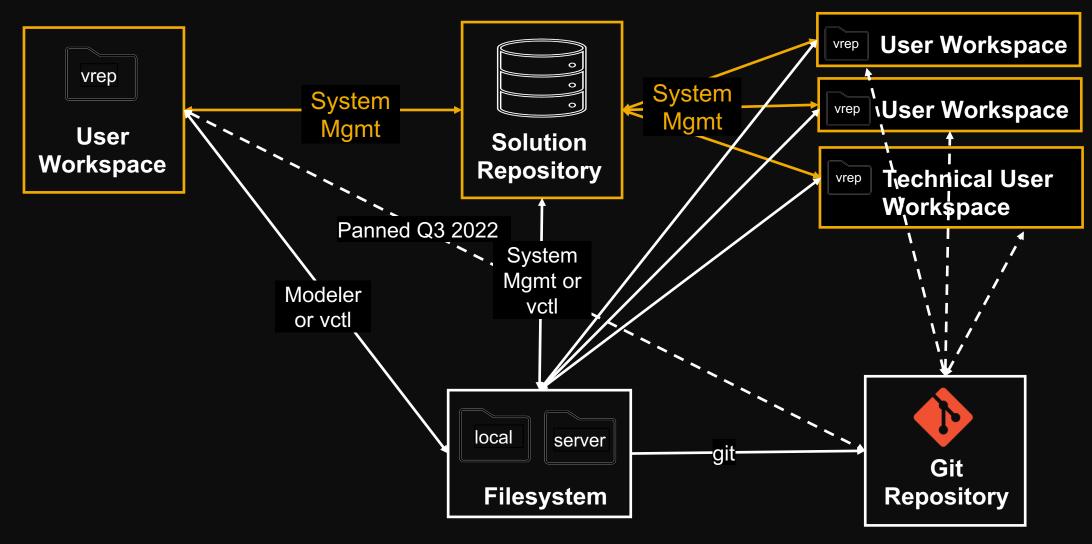
Transport Options Overview



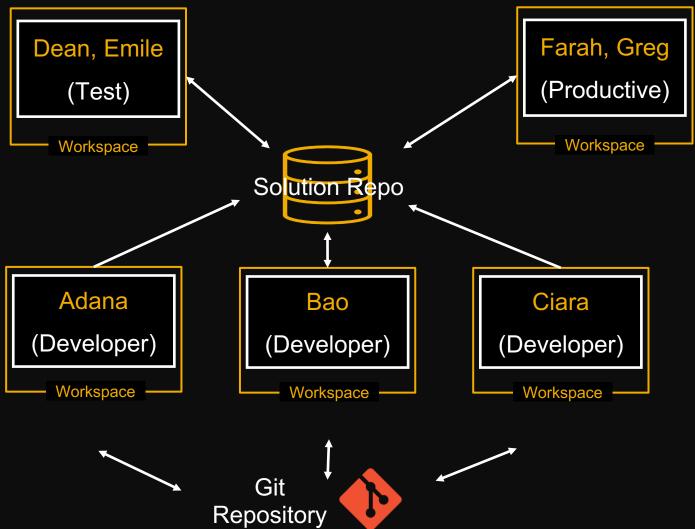
Transport Options Overview



Transport Options Overview



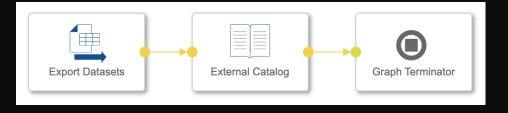
Example Development Process



Import Solutions



Create Pipeline





Upload to Git Repository

```
#!/bin/sh

# login

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

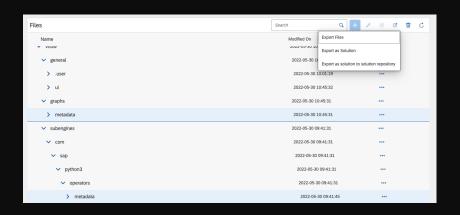
# export

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



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Thank you.

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Transcript and shell-script:

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

