MANAGING AND KEEPING TRACK OF ALEPH CHANGES

Statsbiblioteket – State and University Library

- University Library - Aarhus University

- Archive - Legal deposit of published material (together with the Royal Danish Library)

- Service provider – ILL star point for the public libraries of Denmark

Jakob Venning
jve@statsbiblioteket.dk

Organization

- 44 people in the IT division; preservation(16), web(13), operation(15)

- About 250 in total

Jakob Venning
jve@statsbiblioteket.dk

Aleph

- Aleph pickup location about 20
- About 300km in distance between the larges locations.
- Transit workflow between all pickup locations
- (Only) psychical materials in Aleph

Jakob Venning
jve@statsbiblioteket.dk

Some Database Numbers

Table	Count	Description
SOL01.z00	3.939.111	Bibliographic
SOL50.z30	5.023.886	Items
SOL60.z00	3.241.339	Holdings
SOL50.Z36+z36h (z36_loan_date 2013)	1.079.604	Loans (2013)

Jakob Venning
jve@statsbiblioteket.dk

Library System

Aleph

Book Binder

Web Service Layer (Middleware)

Search (Discovery)

Catalog Export

Aleph Request

Catalog Import

Esag (Case Management)

SBCI Deposit & Label

User Registry

Catalog Status

Jakob Venning
jve@statsbiblioteket.dk
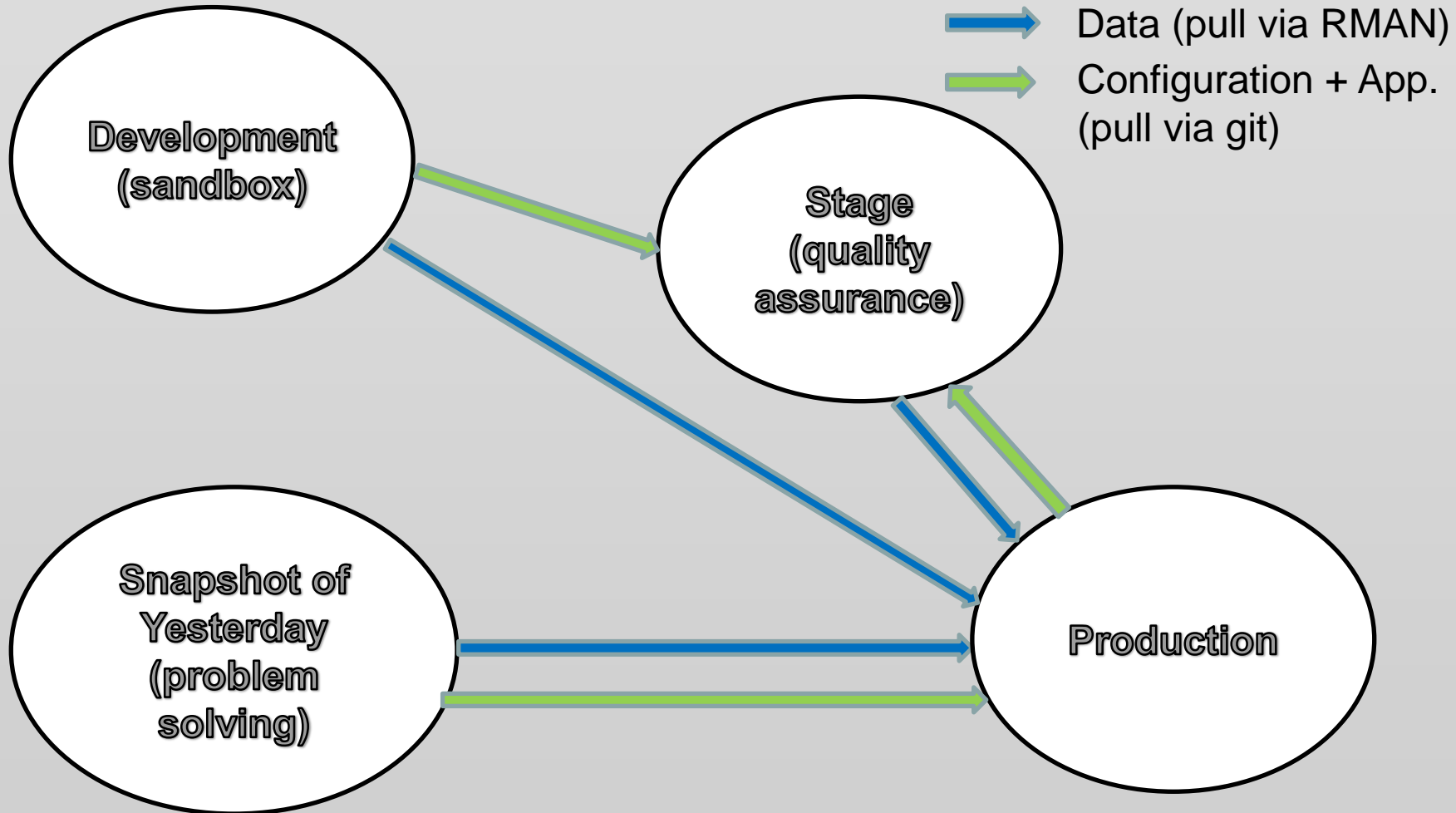
General Setup

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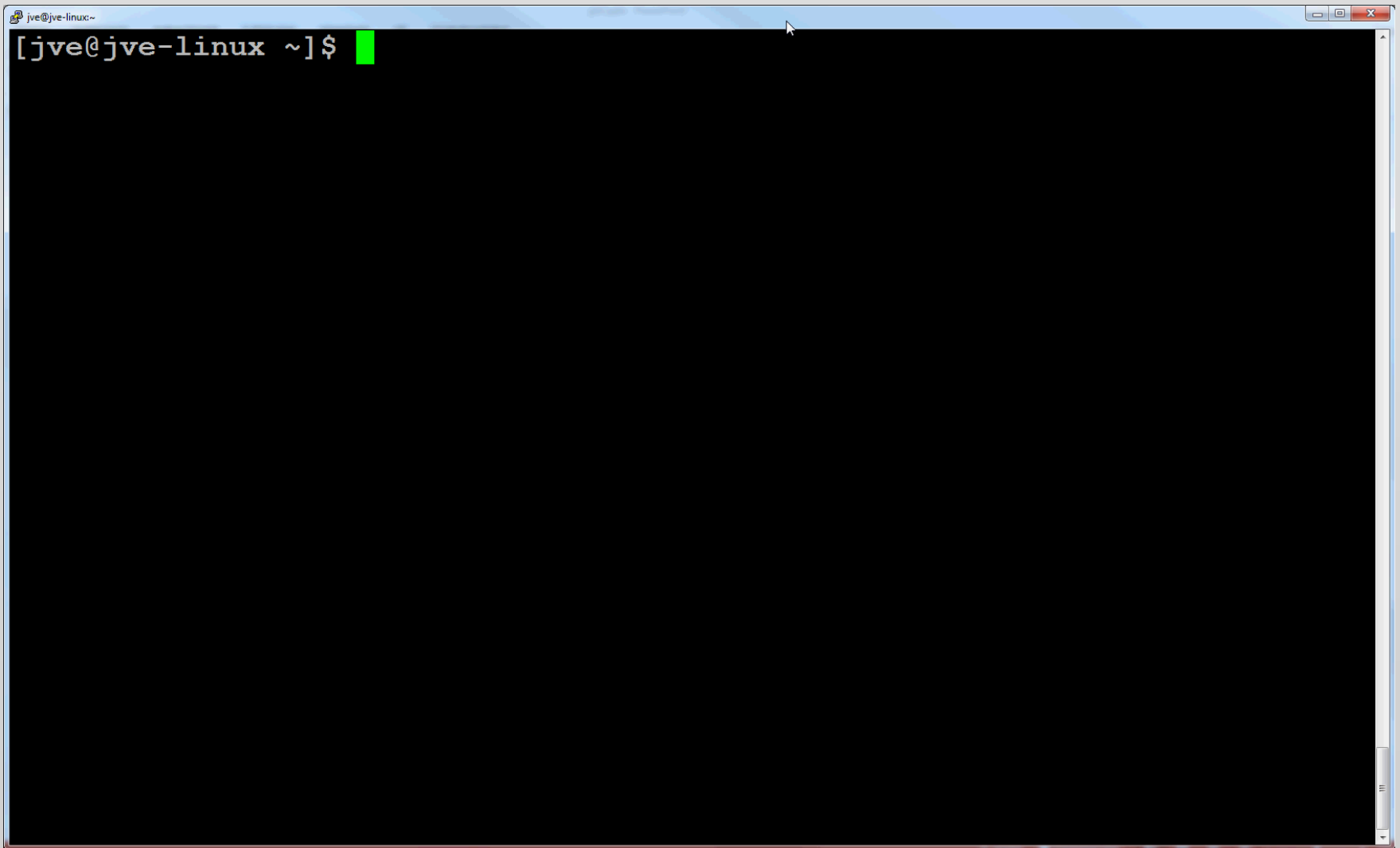STATE AND UNIVERSITY LIBRARY
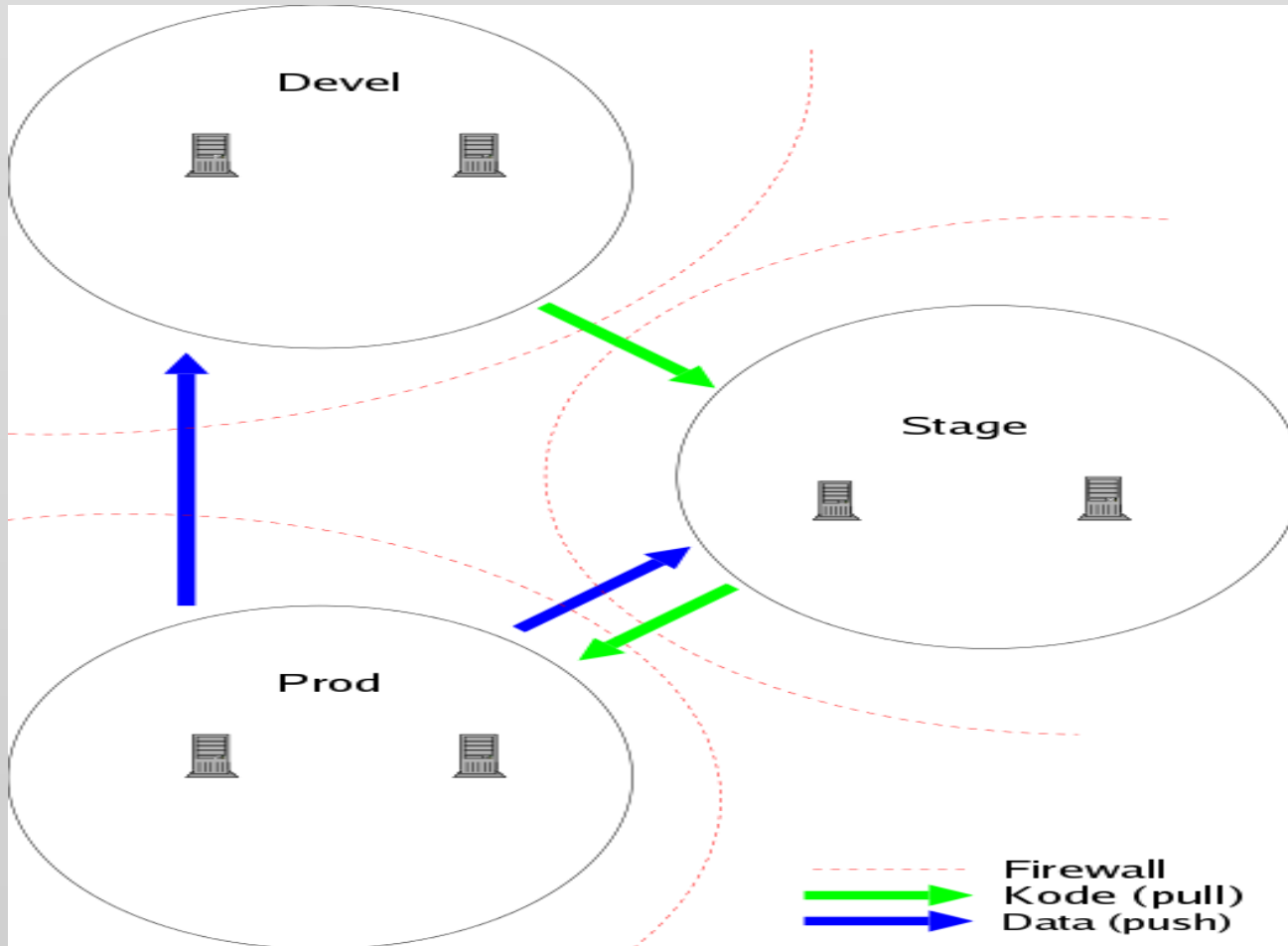
Git in Aleph Context

- Live with Aleph 6th of January 2010

- First 5 month with CVS as version control (client/server architecture)

- Initial Git commit 5th of May 2010

- 2 repos per Aleph instance a21_x u21_x

- Most commits are linked to an external issue tracker – first Bugzilla, now Jira

Jakob Venning
jve@statsbiblioteket.dk

Aleph Setup

Development (sandbox)

Stage (quality assurance)

Snapshot of Yesterday (problem solving)

Production

Data (pull via RMAN)

Configuration + App. (pull via git)

Jakob Venning
jve@statsbiblioteket.dk

Git Setup Demo

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Getting Started with Git

- Install Git if RHEL then; yum install git

- cd ~/u21_1

- git init

- Create a .gitignore file to ignore some files (things like print files, scratch, logs etc.)

- git add .gitignore xxx01 xxx50 etc.

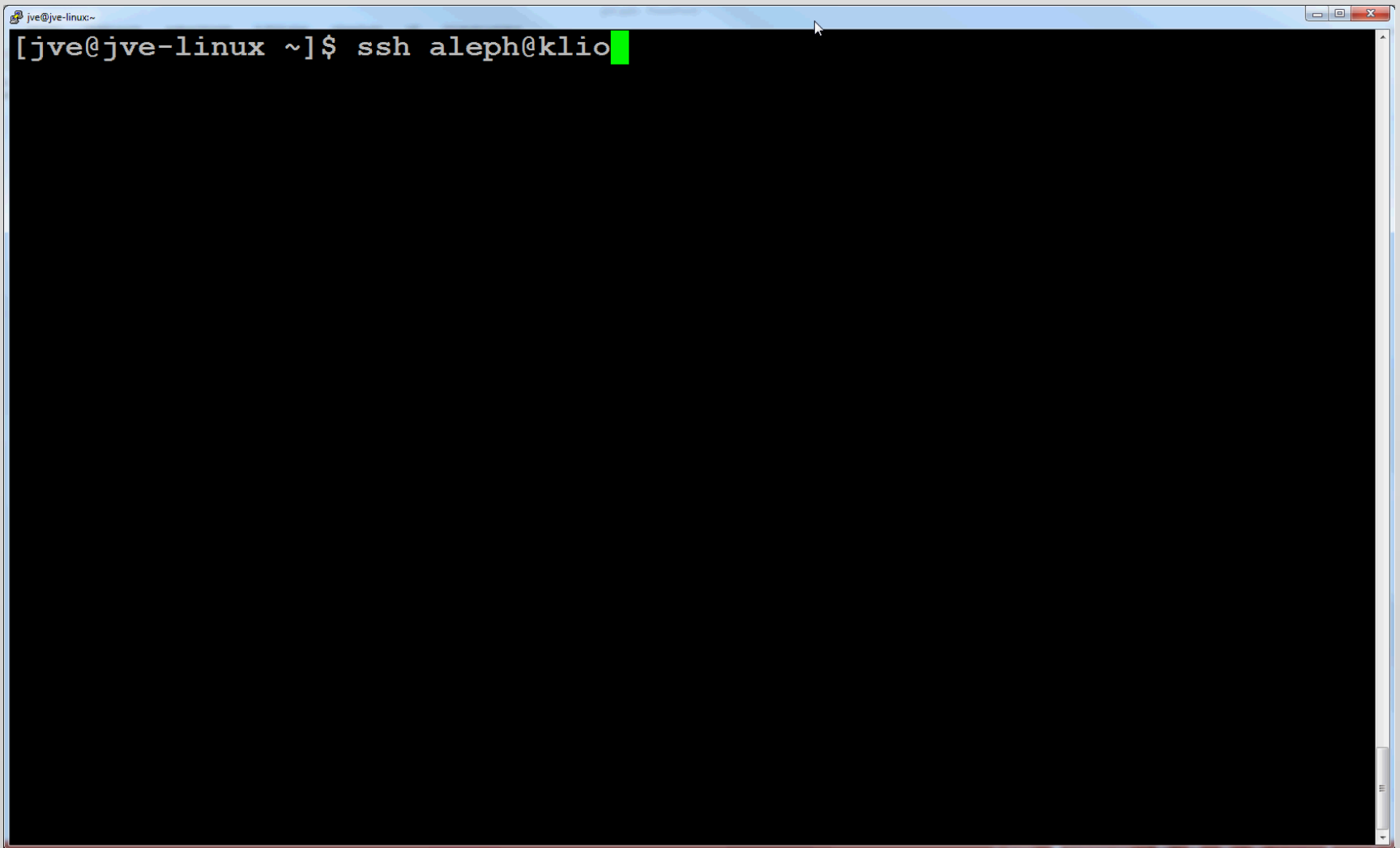- git commit -m "Initial commit"

- git clone ~/u21_1 ~/u21_x

Jakob Venning
jve@statsbiblioteket.dk

Change Request

- Request received from an external partner or in-house.

- Request is prioritized by a person or group depending on the complexity

- Add request to issue tracker; perhaps split into smaller pieces.

- Configuration changes are added to git in the stage environment.

- User staff do QA; if OK then pull from prod.

Jakob Venning
jve@statsbiblioteket.dk

Change Request Example

- Reorganize library of public health sub library UIDRA issue aleph-1118

- New sub library XIDRA

- New departments SBMAG, XIDRA

- UIDRA closed until 22/9

- Create UIDRASKR counter

- Create pickup location UIDRA

Jakob Venning
jve@statsbiblioteket.dk

Git Pull – Change Request Demo

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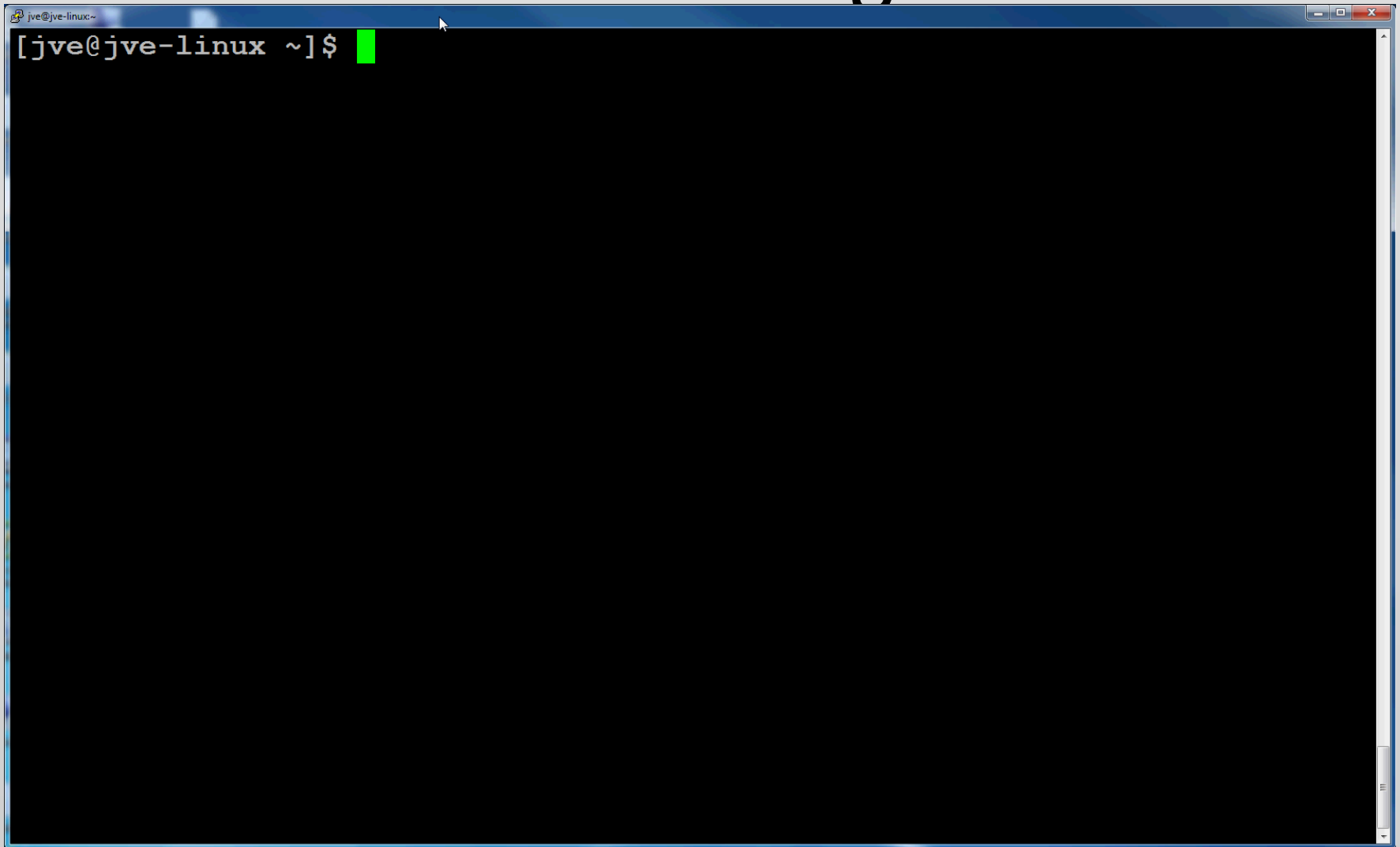STATE AND UNIVERSITY LIBRARY

Git Rebase Demo

Best Practice

- Only rebase if changes have not yet been pulled by others

- Changes in the same file when doing interactive rebase (conflicts)

- Keep the staging period as short as possible

- Get team consensus on the use of Git

- Can be a bit slow with big repositories

Jakob Venning
jve@statsbiblioteket.dk

Key Benefits

- Great tool for problem solving because changes over time are visible with git log

- Synchronization between systems (environments as similar as possible)

- Discover and handle changes by others (users or Ex Libris support)

- Easy to setup new aleph instance

Jakob Venning
jve@statsbiblioteket.dk

Problem solving demo

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Questions ?

Jakob Venning
jve@statsbiblioteket.dk

Time for a Break ☺

Thank You !

Jakob Venning
jve@statsbiblioteket.dk

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