Collabora Productivity
Free your business

The driving force behind putting #LibreOffice in the #Cloud.

Nextcloud

Nextcloud and Collabora Online workshop.

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Current Version 1.0.5

- High fidelity, WYSIWYG rendering
- Document Support:
  - DOC, DOCX, PPT, PPTX, XLS, XLSX + ODF.
  - Import/View Visio, Publisher, + 100 more
- Document Collaboration:
  - Shared Editing, Collaborative edit on the way.

Why online ?

- On-premise – control of your data
- On-premise – control of your CPU & network

Bonus features

- A reduced feature-set sphere – can win.
    - light editing use-cases to match competition
- Document Formats – less relevant:
    - "in the cloud"
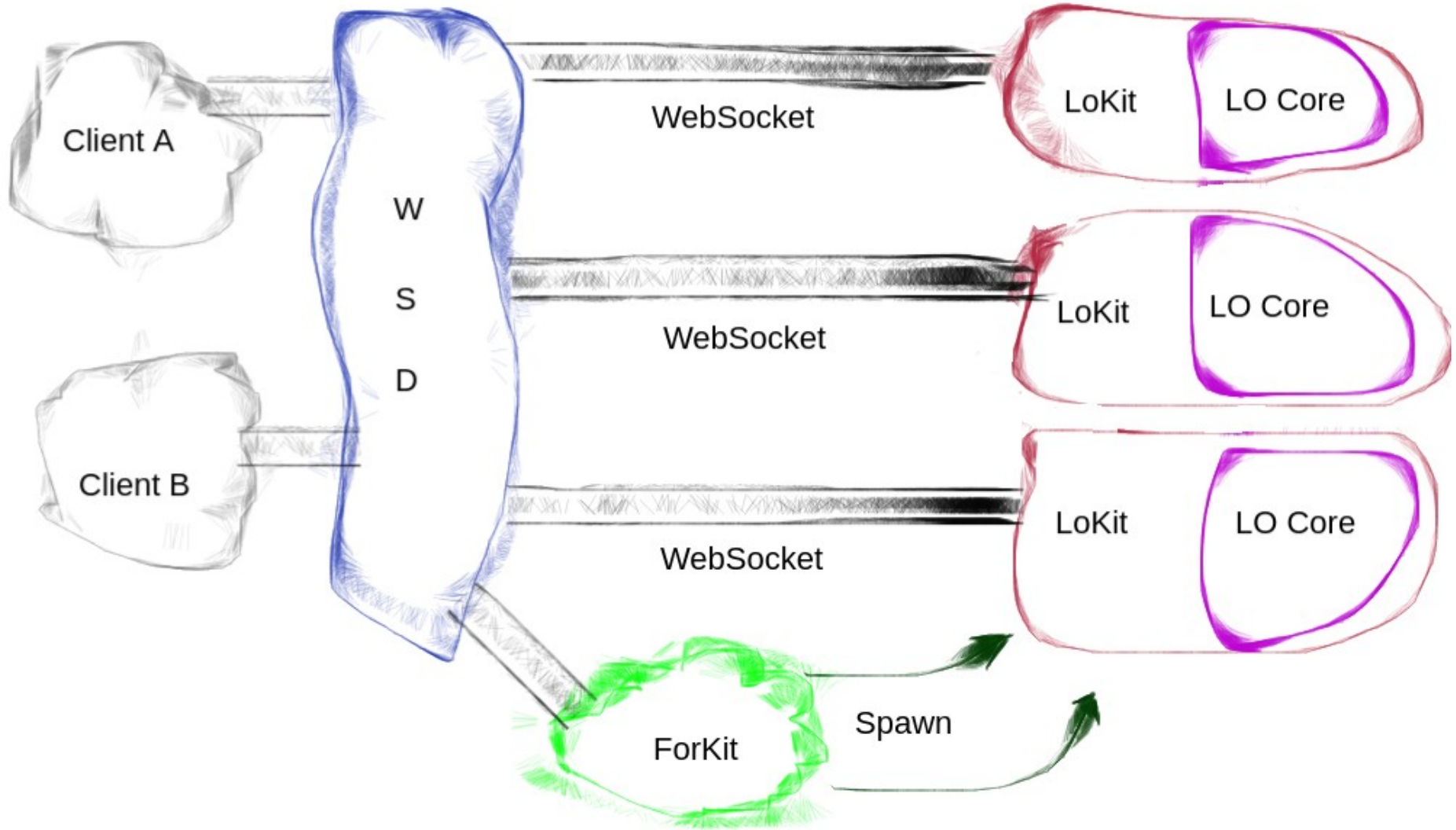- Server / Certification / Revenue model ...

CODE ...

- CODE – grab the latest Docker image and/or Virtual Machine pieces.
  - http://collaboraoffice.com/code
- A simple Nextcloud extension
  - No core changes required, easy to deploy
- Extension implements the WOPI protocol
  - Unifies authentication and file-access
  - Re-use awesome Nextcloud authentication and storage options – effortlessly.

Demo / what it looks like

Architecture

Nextcloud plugin

View and restore previous versions:

File   Edit   Insert

Save

Print

See revision history

Download as   >

Revision History
AshTest.odt

Latest revision

September 1, 2016 10:27 PM

September 1, 2016 10:22 PM

September 1, 2016 10:19 PM
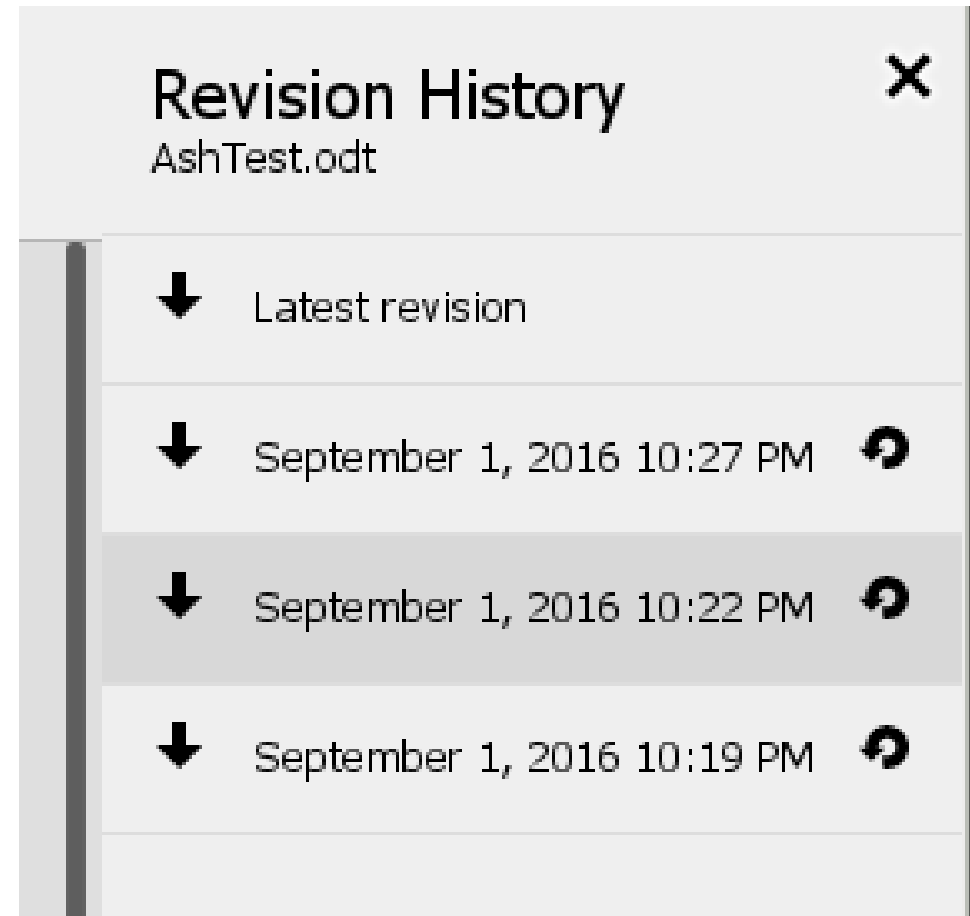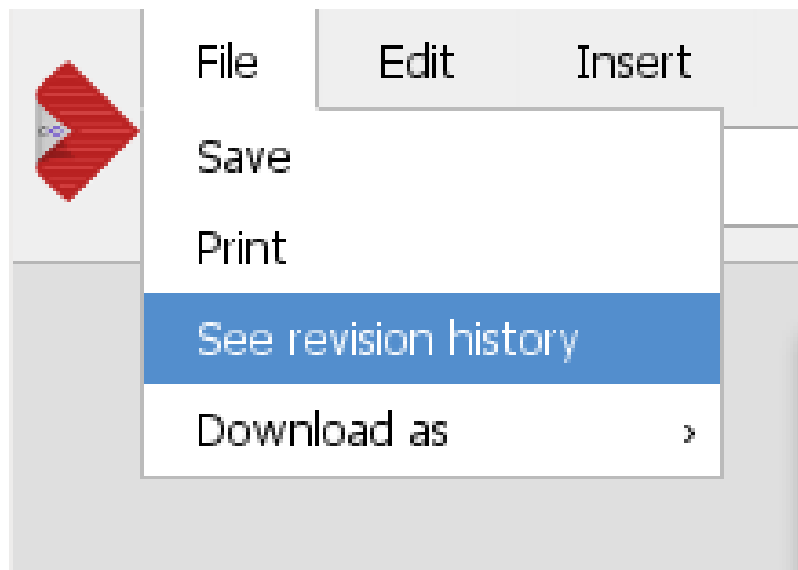
In-development: coming soon …

Next: Collaborative Editing

- Lots of fun new interactions under development:
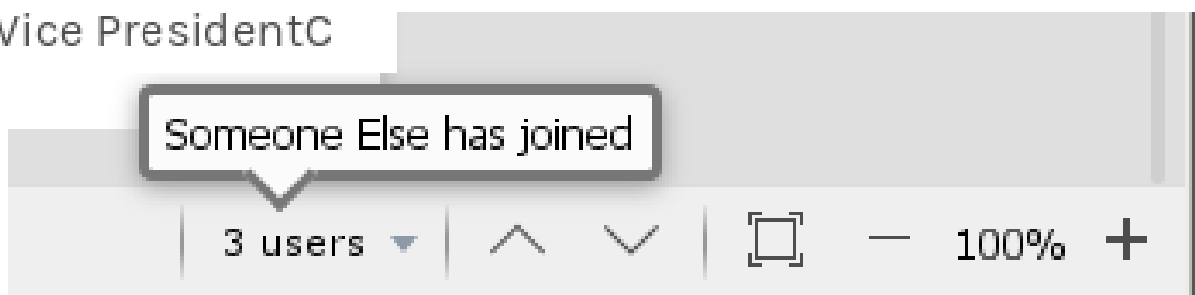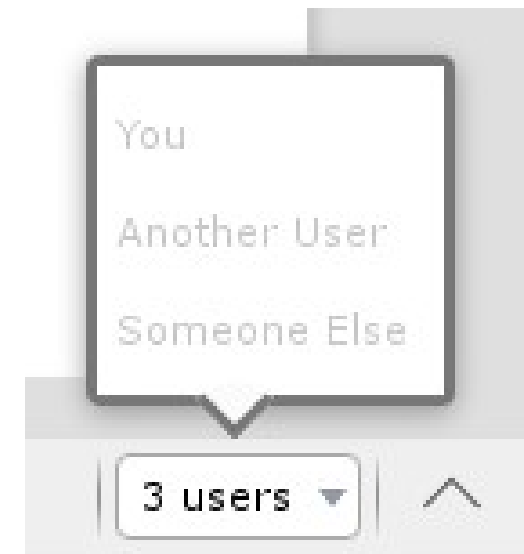
Editing / Undo collisions etc.

Repair Document: conventional undo/redo simply solves editing conflicts.

Deployment bits

Hardware Sizing

- Guidelines:
  - 10 users / CPU thread
  - 100Mb RAM / user
  - 100kbit/s / user
- Capacity factor → not a hoster …
- 200 users gives:
  - 20 CPU threads
  - 20 Gb of RAM
  - 20 Mbit of bandwidth
- Can setup today on a single largeish machine.

Suggested Initial Pilot setup

Users

Collabora Online Worker

https:

File I/O, Authentication

RHEL 7 /
CentOS 7 /
Debian 8 /
Ubuntu 16.04

Update URL
from Collabora.

Requires https://
certificate setup

E-mails for
maintenance /
updates

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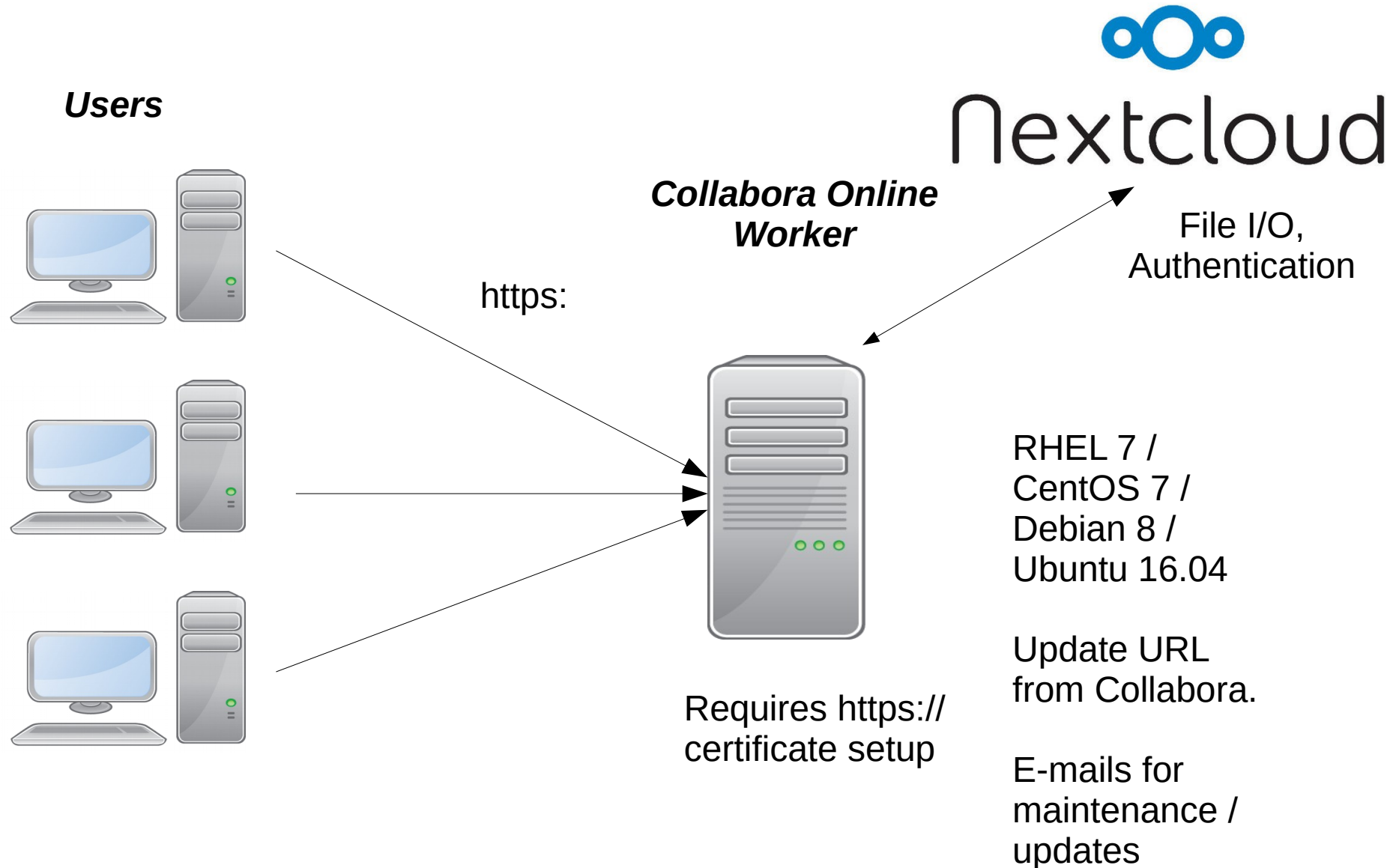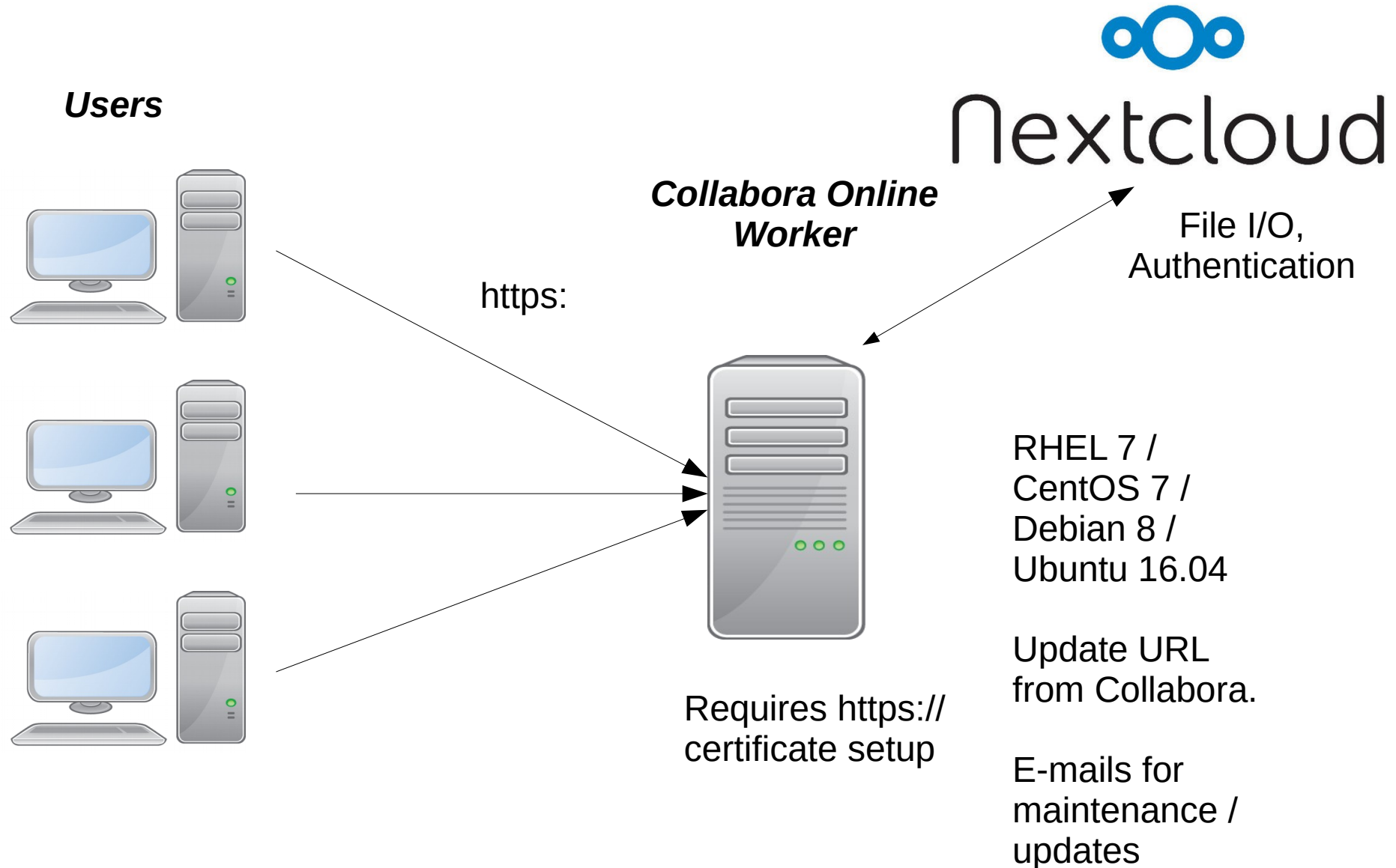
HA / setup …

- ## HA setup more fun

  - Split into 3x 8 CPU machines, 8GB each

Users

HA balancer of choice eg. ha-proxy.

Collabora Online Workers

https://

http://

Key attribute is to ensure that all traffic related to the same document goes to the same worker – all collaborators end up in the same address space.
        eg. "balance uri"

Questions ?

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