OpenChange 2.0

Ecosystem

May, 15–17th 2013 – SambaXP Conference

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About Myself

# About Myself

Founder and lead developer of OpenChange

- 2003: The idea
- 2004: Meet Andrew Tridgell
- 2012: OpenChange 1.0 BORG
- 2013: OpenChange 2.0 QUADRANT
- A decade of commitment and passion

zentyal CTO

- Recently joined the company
- Aiming at better Samba integration
- Develop OpenChange

What is OpenChange?

Open Source Drop-In Microsoft Exchange Server Replacement

www.openchange.org
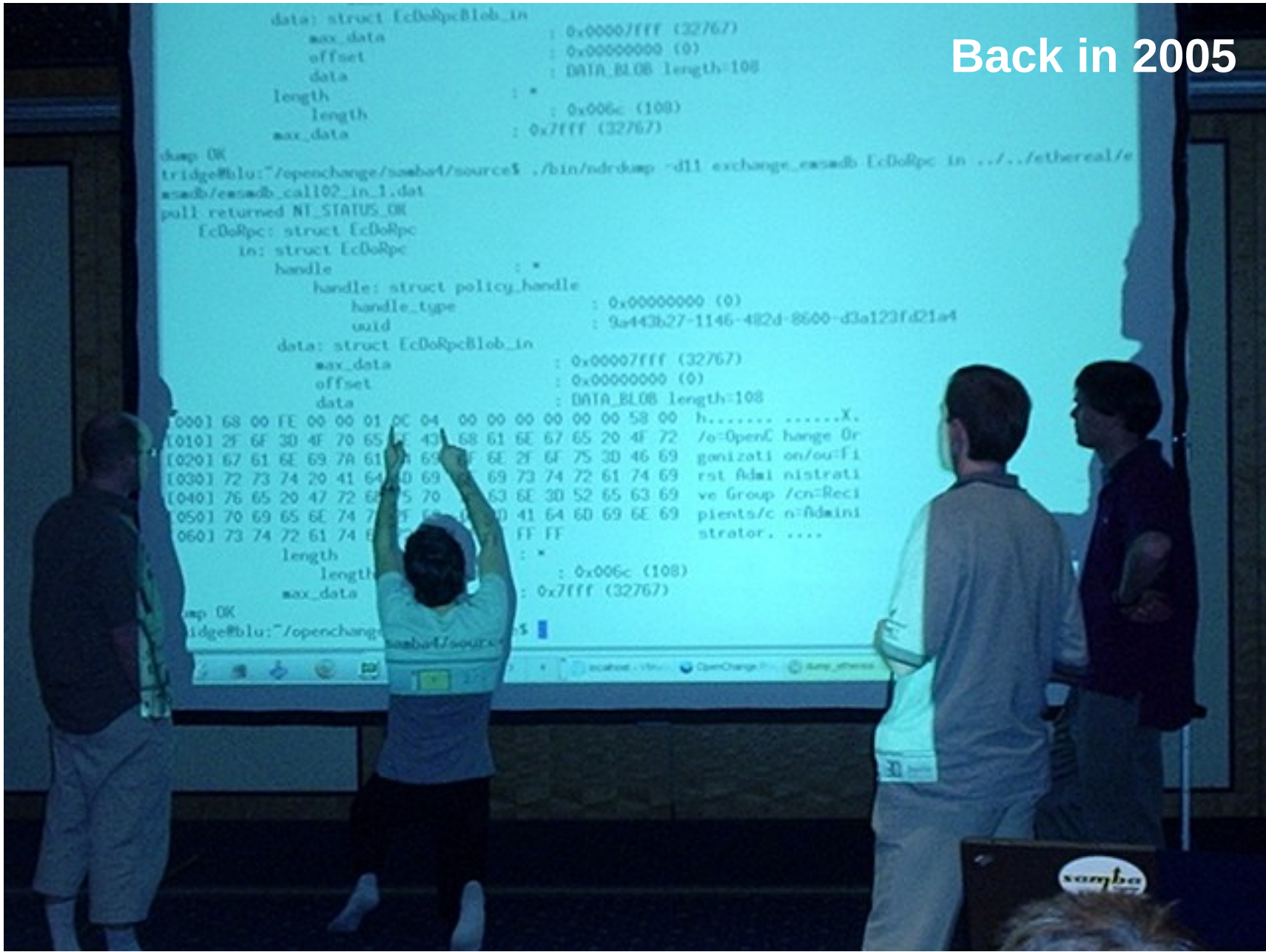
What is OpenChange in 2013?

Microsoft Exchange Compatible Server

- Drop-In replacement
- **Interoperability** with Microsoft Exchange Protocols
- Native and transparent Microsoft Outlook support
- Work on top of Samba Active Directory technology
- Interface existing data storage backend

Matured client stack

- Build your own Microsoft Exchange compatible clients and softwares

Complete client AND server framework

OpenChange Key Benefits?

Financial saving

- License costs
- Outlook connector costs

Technology side

- **Plug into SMBs existing infrastructure**
- Benefits from Samba progress
- No vendor lock-in
- Transparent change for users

OpenChange Licensing?

Code	IDL	Documentation
GPLv3 or later	Public domain	Creative Commons Attribution ShareAlike 3.0 Unported

What are the new features?

It is working ...

What else do you want? xD

What are the new features?

Outlook anywhere

- RPC over HTTP/HTTPS
- server-side python proxy (mod_wsgi)
- **client-side soon available**

Provisioning

- Mailbox auto-provisioning
- OpenChange deprovisioning

What are the new features?

New Website

- No fancy 2.0 things
- Static HTML / markdown

Documentation Guide

- Cookbook on the website

What are the missing features?

EWS support lacking

Q/A – automated testing

No ActiveSync support

Dogfooding

- **Business activities migrated**

- No critical bug encountered

- No data loss experienced

- Outlook opened and running for a complete week

Ecosystem

Development team

- **Small development team**
- >50% are Samba team members
- new developer on board?

Server backends (1/2)

Inverse

- SOGo backend
- only sogo libraries needed
- Pro:
  - Feature-complete backend
- Cons:
  - not shipped with OC
  - Complex to setup

Server backends (2/2)

EasyLinux

- Pros:
  - out of the box backend for OC
  - Focus on performances
- Cons:
  - In early development stage

Collaborations

- **Community**
  - Feedback from<300 SMBs
  - Testimonial needed
- **Potential partners**
  - Have been evaluating OC
  - Scheduled deployment
- **Business projects**
  - Heartbeat of OpenChange

Projects and Opportunities

OpenChange in the Cloud

3.0 Milestone

- *Objectives*

- *Potential benefits*

- *Scheduling*

OpenChange 3.0 Objectives

MAPIRops IDL compiler

- Pack and unpack MAPI operations and content
- Build MAPI buffers
- Help building specific logging channels

Logging Channels

- OC stack generate a lot of logging
- Require a dedicated channel

OpenChange 3.0 Objectives

Provide better core infrastructure

- Difficult for external services to hook into OpenChange
- Too much work required for backend implementors
- Build System change (waf)

Built-in backends

- This is a requirement
- **Performance vs momentum**

OpenChange 3.0 Objectives

AD storage backend

- Exchange contacts in AD
- Distribution Lists in AD
- Better GAL support

Multiple domain support

- OU work-around

OpenChange 3.0 Objectives

Better Samba4 integration

- Support more deployment scenarios
- Remove current OpenChange limitations

Working with replicated shemas

- Use replicated Microsoft Exchange schemas
- Ensure schema compatibility across versions

Q/A and automated testing

OpenChange 3.0 Objectives

"It is the moment for OpenChange to spend more time in Samba"

OpenChange 3.0 Potential Benefits

- **Hosted Exchange support**
  - tuned for VPS and hosting providers
  - Available through VPN of RoH
- **"In the cloud ready"**
  - Failover, load-balancing and round robbing
  - Disseminate OpenChange and Samba AD over multiple nodes

OpenChange 3.0 Scheduling

- **Scheduled on May 2014**
- Depends on our availability
- May only be 2.5 PRECOG
- If I were Doctor Who …

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Questions?

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