

# Technology Deep Dive: A case study of the Microsoft School of the Future

Robert Ginsburg

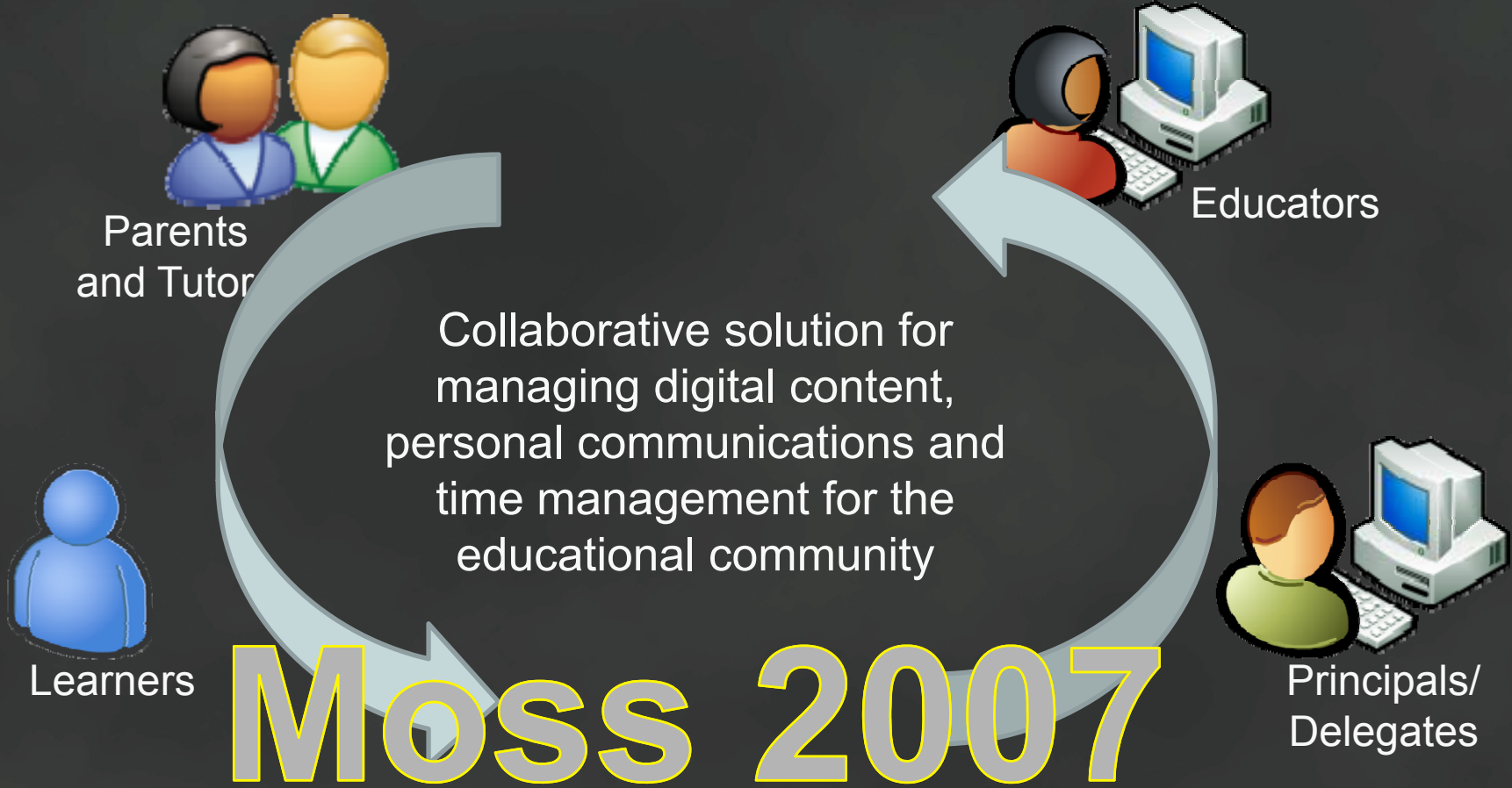
Version3, Inc.

<mailto:robert.ginsburg@ver3.com>

# Agenda

- School of the Future overview
- SharePoint challenges
- User specific features
- Security technology
- Asynchronous tools
- MOSS specific components

# School of the Future overview



# SharePoint challenges

- **Not standard IT users**
  - Entitled user community
  - Not all users at same level of expertise or literacy
- **Mixed security model**
  - Extranet
  - Intranet
  - Continuously changing content security (class membership, parent access, etc).

# SharePoint challenges

- **Process completion guarantees**
  - Event handlers not robust enough for long running tasks
- **Read / unread functionality**
  - Critical to large volume content displays
- **Rapid alerts**
  - Email is too slow to tell someone something “now”

# User Features

- Iconic View
- Interactive alerts
- Announcements
- People locator
- Home folder access
- Student Planner

# Security components

- Application roles
- SharePoint groups
- Content security watchdog
- Site security health check
- Locker Locks
- My Site advisor/parent access
- Observer mode services
- Identity firewall

# Asynchronous services

- **Integrated job engine**
  - Queue forwarding from SharePoint event handlers
  - Persistent object store allows sharing of event data between SharePoint and job engine
  - Queue history maintained for all operations and errors
  - Operates in site security context, not user context

# Asynchronous clients

- **Self healing sites**
  - Sites that are broken or non-conformant register with the job engine for repair
  - Can also be forced from the main console
- **Security monitor**
  - Monitors for changes in security relationships
    - **Class membership**
    - **Parent/Student**

**Microsoft School Of The Future**

**End to End**

**DEMO**

**with code reviews**

# Coming soon

- SLK/SCORM player
- Live@edu integration
- Desktop assignment sync
- Student content archive
- Multi media library
- Proactive warnings for late assignments
- Expanding Iconic mode to include assistance

# Your Feedback is Important

Please fill out a session evaluation form and either put them in the basket near the exit or drop them off at the conference registration desk.

Thank you!