



California Community Colleges

Systemwide Architecture Committee

Bi-Monthly Meeting

December 15, 2022

The *Vision* + Digital Equity

Anyone in California seeking a postsecondary education, regardless of what they look like, where they live, time since high school, and their preferred education modality should have on-demand access.



Agenda

- Welcome
- Systemwide Technology
- Digital Equity and BEAD
- E-transcript
- Information Security
- Integration/Technical Support
- Wrap-up





Systemwide Technology

Momentum for Systemwide Technology

- December 2022 Cybersecurity Updates memo
- Course Exchange adoption and integration
- CCCApply overhaul/redesign efforts





Digital Equity and BEAD

Digital Equity and BEAD -

- Collect feedback on the slides distributed
- What additional role can Chancellor's office play
- Are there any questions about the message or the material shared about the BEAD program





Electronic Transcripts

E-transcript

- RFI submitted to replace XAP vendor, what is the expectation at system level?
- Benefits we are looking for with the RFI -
 - Better and real-time workflow process for students
 - Support colleges with their choice of 3rd party vendor for delivering transcripts
 - Standardized integration methods
 - Assures that transcripts delivered through eTranscript California are validated to the California Electronic Data Standard
- What else needs to be solved for, to improve the experience for students?



Information Security

SOC - Strategy and Roadmap

- Draft strategic plan for systemwide SOC
 - Tech Center / Security Center in partnership with Agency, TAP team
 - Proposed hybrid model combines
 - Third-party expertise of broad information security landscape
 - Internal knowledge of complex CCC technology infrastructure (diverse, distributed)
- Pilot colleges to be selected in early 2023
 - Selection based on factors from cybersecurity self-assessments, security profiles, available resources
- Scaling college onboarding through remainder of fiscal year

Update: Implementation of A5 Security Suite

- **Initiative:** With the systemwide purchase of the Microsoft A5 Security Suite, the Chancellor's Office has made maximizing this investment a priority.
- **Current Status:** Pilots have begun at a few districts, which are scheduled to end in January.
- **Discussion:**
 - What roadblocks might be associated with providing this type of system-level support?

Coverage Issues with A5 Security Suite

- **Issue #1:** The Microsoft A5 Security suite does not cover servers.
 - [Defender for Servers P1](#) – 15,000 Servers = \$900,000 / year
 - [Defender for Servers P2](#) – 15,000 Servers = \$2,700,000 / year
 - The Chancellor's Office is considering a purchase of P1 for all Districts.
- **Discussion:**
 - Reactions to these costs?
 - Reaction to this purchase strategy?

Coverage Issues with A5 Security Suite

- **Issue #2:** The Microsoft A5 Security suite does not cover student labs.
 - Current systemwide purchase estimate is over \$6,000,000
 - Given relatively low risk posed and cost, the recommendation is to use native Microsoft Antivirus; use network segmentation to separate labs from other network devices; restrict the ability for students to make changes to lab computers where possible; reimage systems that become infected.
- **Discussion:**
 - Does this recommendation make sense?

System wide Strategy for Cloud Backups (isolated)

- **Issue:** Many colleges have been unable to restore or recovery quickly following a catastrophic ransomware event.
- **Discussion:**
 - Would a systemwide backup solution be a feasible or productive idea for consideration?
 - What would a good systemwide option include/entail?

End-Of-Life Replacement Strategy

- **Issue:** Many colleges report having End-of-Life operating systems. The Chancellor's Office has made eliminating EOL operating systems a priority.
- **Discussion:**
 - What are the roadblocks associated with an initiative such as this?
 - For servers and other infrastructure, would a Cloud migration also make sense?



Integration/Technical Support

Technical Support for Integrations / Remediation

- What specific support will assist colleges to complete Course Exchange - Teaching colleges and Course Finder API
- Additional Resources?
 - Hands-on support (people to come in and do the work?)
 - Individual people short-term
 - What specific skill set do they need to have, PM roles? or more Hands on Technical roles?
 - Do they need Ethos specific skills?
 - How are they getting support for Ethos?



Wrap Up

Wrap-up

Looking forward

- Additional topics for discussion?
- Remediation reports due January 2023
- Next SAC meeting to be held February 23rd from 1:30-3pm



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Thank you!

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