



California Community Colleges

Systemwide Architecture Committee

Bi-Monthly Meeting

February 23, 2023

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 & Intro
- Systemwide Technology Initiatives
- CCCID
- CBE
- E-Transcript RFI
- InfoSec
- Wrap-up





Systemwide Technology Initiatives

Overview of Major Technology Initiatives

CCCApply (The Case for Change)

- Engaging Consultation Council to launch multi-year, systemwide effort by reviewing processes to improve UX/UI, support equitable access and mitigate fraud, starting with short-term working group

Common, systemwide ERP

- Engaging stakeholders to understand need, pain points and opportunities to build a common vision of a common, systemwide ERP before launching a multi-year, systemwide effort



CCCCID

Use of CCCID Systemwide

- Despite its existence for many years now, the CCCID is not being used systematically and comprehensively
- Failure to use CCCID prevents tracking of students within and across colleges and districts, which undermines our ability to support them adequately
- The Chancellor's Office called for full implementation of CCCID by fall 2023, which coincides with goals for Course Exchange implementation
- CISOA Board raised concerns about the timeline goal given a lack of guidance/support for implementing CCCID

Next Steps for Implementation of CCCID

- **Tech Center** will
 - Expand implementation support for API that assigns CCCIDs outside of OpenCCC
- **Colleges/districts** will
 - Implement API calls from local ERP to assign CCCIDs for applicants using paper applications
- **Chancellor's Office** will
 - Adjust the implementation timeline from fall 2023 to June 2024
- To what extent can we learn from this to develop a common identifier for employees, especially part-time faculty?



Competency Based Education

Competency Based Education

- Given the expansion of credit for prior learning and CBE with veterans, there is a opportunity to support other non-veteran students by allowing for them to demonstrate learning and obtain credit
- In 2021, the Chancellor's Office initiated a direct assessment CBE pilot with 8 colleges to better conceptualize a system-level approach to CBE
- The collaborative needs support around technology as it navigates the traditional vs. CBE approach to learning management

Learning Management: Credit Hour vs. CBE

Credit Hour

- Based on **seat time** originally to determine faculty pension (not measure of learning)
- **Credit hour** is the current basis for awarding financial aid, assessing faculty workload & determining degree completion

CBE

- Focuses on mastery of learning exercises through activities and experiences that align with clearly defined programmatic outcomes
- Hours can vary, but **learning is fixed**
- **Often fully** online
- Flexible academic calendar term options

CBE and Information Systems

- Does your college/district measure and/or track competencies? If so, in what tool(s)?
- If you don't measure/track competencies now, what changes are needed with existing tools/systems to do so?
- What local integration challenges should be anticipated between:
 - SIS and CBE (especially for the purpose of MIS reporting), and
 - CCCApply and CBE?
- Any other questions/concerns?
- What ideally would be brought back to SAC on this topic?



eTranscript RFI

eTranscript RFI

- There was a failed RFA in 2018/2019. To re-engage on improvements, an RFI was released in fall 2022.
- This work is important given the *Vision for Success*, as higher completion and transfer goals will result in more transcripts, especially as we think about CBE and CPL
- 3 RFI submissions were obtained (by vendors with varying CCC coverage)
 - XAP (85)
 - NSLC (11)
 - Parchment (105)

eTranscript RFI Next Steps

- FYI, the Chancellor's Office will proceed with the RFI review process in spring 2023
- Vendor selection may be slow as the Cradle-to-Career team has requested RFI submissions
- What input/feedback can SAC provide around more systematic use of electronic transcripts in **today's conversation**, especially since there is overlap in use of e-transcripts?



Information Security

Two-Pronged CCC SOC Approach

- Pilot for FY23
 - RFI for SOC released in fall, closed in January 2023
 - 4 vendor submissions, interviews/demos scheduled for mid-March 2023
 - Learn from pilot to update systemwide SOC planning efforts
- Planning for a systemwide SOC
 - Hybrid SOC initially using existing Splunk architecture, implemented at 29 districts (37 colleges)
 - Vendor 1 or Tech Center team providing infrastructure support, escalation and incident triage
 - Vendor 2/Third party vendor providing Tier 1 / Tier 2 monitoring

End of Life Operating Systems

- Based on self-assessments and remediation reports, EOL needs to be prioritized
- EOL Inventory was requested in January 2023 Remediation Reports
- Preliminary results:

OS Version	Total	Easily Replaceable
Win 7	4191	2915
Server 2008	508	381
XP	123	104
Win 8	89	89
Server 2003	81	43
Pre-XP	2	2
Win 2000	4	1
NT Server	0	0
	4998	3535

SAC EOL Guidance Sought

- How should the Chancellor’s Office interpret “easily replaceable” in terms of timeline?
- How can the Chancellor’s Office **best** verify accuracy of district EOL assessment and replacement progress without creating a significant administrative burden (i.e., developing a grant program)?
 - What question(s) would be included in the June 2023 Remediation Report to meaningfully address this?

SAC EOL Guidance Sought

- Replacement costs are estimated at:
 - \$1,200 - 1,800 per workstation
 - \$3,000 - 5,000 per server
- Are these estimates reasonable when including hardware, software, and labor?



Wrap Up

Homework

- Has your district implemented:
 - Career Coach,
 - The Data Warehouse Canvas data, and
 - Splunk?
 - If yes, to what extent is the district **actually using** this tool?
 - To what extent are data being used to determine effectiveness?
- Electronic transcripts
 - Which vendors does your college/district use? Is there one that is used more than the other(s)?
 - What works well/best for your district around e-transcripts?
 - What are the biggest pain points around e-transcripts?

Wrap-up

- CISOA Summit coming up! 2023 Technology inventory will surface again. Any suggestions on how to improve it?
- What surveys can/should CISOA put out to inform the agency IT strategy?
- What from today should be reported to TTAC?
- What information from TTAC would be helpful for subsequent SAC meetings?
- Next SAC meeting to be held April 27, 2023 from 1:30-3pm



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Thank you!

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