Department of Education Technology Update Day 2018

FOR

SCHOOL BASED NETWORK TECHNICIANS
ICT COORDINATORS
ICT LEADERSHIP STAFF

JOHN CURTIN COLLEGE OF THE ARTS

NOVEMBER 16TH 2018

Technology Update Day 2018 is fast approaching and we would like to present the program for the day.

Last year's Technology Update Day 2018 was a great success and in an effort to make it bigger, better and more inclusive we are providing two streams on the day; a technical stream for the ICT Technicians and a ICT Leadership stream for ICT Coordinators and ICT Leaders.

We hope the new format appeals to the wider audience and that you will find something to suit you, whether it is a technical deep dive or one of our ICT leadership sessions.

I want to take this opportunity to thank the staff at John Curtin College of the Arts for their support and providing a fantastic venue. To all the staff in ICT at Central Office who have offered to present or assist with the organisation on the day, thankyou!

Harold Ballard
ICT Customer Relationship Manager

General Information

Registration
Bookings for this year's ICT Technology Update Day will be through the Institute for Professional Learning's system (PLIS). This is the link to enable you to get into the system through the IPL calendar.
https://plis.det.wa.edu.au/EventDetails.aspx?EventID=24344

Registration Deadline
Deadline for Registrations is Friday, November 9th**.**
There will be no refunds given after this date. Refunds will only be considered for extreme circumstances.

Getting to the event
John Curtin College of the Arts have graciously donated the use of their theatre for the day.

The school is located at 90 Ellen Street, Fremantle.

There will be limited parking available on the day and you are encouraged to use public transport to get to the event if possible.
Once at the Fremantle train station you have a few options to get to the school. You can either catch the free Red Cat bus from the train station (which leaves every 15 minutes) and get off at the Fremantle Park stop which is directly across from the school, or if you need to get your steps up …. It is about a fifteen-minute walk from the train station.

Fremantle CAT Timetable - https://www.fremantle.wa.gov.au/sites/default/files/Fremantle-CAT-Timetable-204-20160131.pdf

WATSSA Annual General Meeting
The newly formed WATSSA (West Australian Technical Support in Schools Association) will be holding their first Annual General Meeting at the end of the day's program.

Positions on the Leadership Committee will be vacant at the AGM; nominations forms are available from the WATSSA website. Nominations close 9th November and voting will be at the AGM. It is important to ensure that if you would like to nominate for committee that you have the approval and support of your school.

WATSSA Nomination Form

The WATSSA Leadership Committee looks forward to your participation at the AGM.

CONFERENCE PROGRAM

<u>Friday November 16th</u>

7.30am - 8.15am	**Theatre Foyer**	Event Registration / Information Desks
8.15am - 9.00am	**Main Theatre**	Official Opening Keynote Speaker – David Dans (CIO)
9.10am – 10.00am	**Main Theatre**	**Leadership Stream –** Lynwood SHS Case Study
	Foyer Breakout Area	**Technical Stream -** SOE Development
	Studio Breakout Area	**Technical Stream –** School Internet Gateway & Next Generation Networking
10.00am – 10.15am	**Theatre Foyer**	**Break - Morning Tea**
10.15am – 11.00am	**Main Theatre**	**Leadership Stream –** Connect
	Foyer Breakout Area	**Technical Stream –** ICT Tools – SSS / ICT Dashboard
	Studio Breakout Area	**Technical Stream –** ICT Security Update
11.10am – 12.00pm	**Main Theatre**	**Apple Presentation**
12.00pm – 12.45pm	**Theatre Foyer**	**Break - Lunch**
12.45pm – 1.35pm	**Main Theatre**	**Leadership Stream –** Office 365
	Foyer Breakout Area	**Technical Stream –** School Internet Gateway & Next Generation Networking
	Studio Breakout Area	**Technical Stream –** SOE Development
1.45pm – 2.35pm	**Main Theatre**	**Leadership Stream –** WebSIS
	Foyer Breakout Area	**Technical Stream –** ICT Security Update
	Studio Breakout Area	**Technical Stream –** ICT Tools – SSS / ICT Dashboard

Cont ….

2.45pm – 3.45pm	**Main Theatre**	ICT Directors Presentation
3.45pm – 4.30pm	**Main Theatre**	Panel Discussion
4.30pm	**CLOSE**	
4.30pm – 5.00pm	**West Australian Technicians in Schools Association (WATSSA)**	Inaugural Annual General Meeting

PLENARY AND BREAKOUT SESSION DETAILS

CONFERENCE OPENING & KEYNOTE SPEAKER: 8.15am – 9.00am

David Dans – Chief Information Officer

David joined the Department in January 2017, having spent four years as CIO at Landgate.

His history includes a stint as iiNet's first-ever Chief Information Officer, a position he held from December 2005 to the middle of 2007.

He has also held numerous Leadership roles at a range of technology-related businesses, including Bankwest, ERG Transit systems, Wilson Technology Solutions, Integrated Group and LHKL Business Services.

In his new role, David is responsible for managing the IT budget as well as the challenges involved with delivering IT services across 800 schools, including in remote and regional locations.

Davids focus is on developing programs to improve digital services in schools as part of the state's "classroom first" strategy.

PLENARY SESSION (Main Theatre) - 9.10am to 10.00am

Leadership Stream – ICT Leadership in Practice – Jonathan Stanley

Presented by – Jonathan Stanley (ICT Network Administrator, Lynwood SHS)

Jonathan has been working for the Department in the role of IT Technician / Network Administrator for over 8 years. Jonathans focus is to achieve the best educational outcomes for schools through the use and implementation of effective technology whilst working within strict budgets. Jonathan is currently at Lynwood SHS and has a broad range of experience working in and supporting different public schools (some concurrently) including primary schools.

Jonathan's session will explore the transition for Lynwood SHS to the SOE environment. The strategies implemented to deal with issues like asset management, bring your own device (BYOD), managing student and staff personal devices and implementing an ICT enriched pedagogy.

BREAKOUT SESSION (Foyer) - 9.10am to 10.00am

Technical Stream – SOE Development

Presented by – Alvin Hall & Michael Caddy

Alvin Hall started working in IT back in 2006. For the past eight years Alvin has assisted with the implementation and design of SOE frameworks across multiple government organisations. He holds industry certifications across AWS, the Linux Foundation as well as Microsoft's desktop, server and Cloud technologies.

Michael Caddy is the technical lead for the ICT Customer Service Centre SOE team. Michael began working in IT at Shenton College in 2001, and has worked across a range of Department high schools and the not-for-profit sector. He has worked for the Customer Service Centre for the past seven years specialising in SOE Development and Cloud Integration.

This session will provide an update on the developments and updates to the SOE environment for 2018. This will include:

- The Departments transition to Windows 10;
- The PaperCut Upgrade story;
- The first SOEv4.5 to SOEv4.5 migration (Thornlie SHS) with lessons learnt; and
- The new SOE Quarterly Release process.
- And more!

There is time allocated at the end for a Q&A session. Your opportunity to ask the SOE Development team the hard questions!

BREAKOUT SESSION (Studio) - 9.10am to 10.00am

Technical Stream – School Internet Gateway & Next Generation Networking

Presented by – Kieren Smith, Matthew Stidolph & Crispin Harris

Kieren is an Associate Systems Engineer in the ICT Operations Centre team. He has worked in various roles and teams including the SOE 4.5 Project, Wireless Infill and the SIG Project as dedicated project support. Since the SIG project he has been part of the Operations Centre team assisting the team with sharing and documenting everything about the SIG as well as supporting schools.

Matt Stidolph is a junior network admin who came from supporting All Saints College. Since joining the department he has filled a number of roles and is now part of the Operations Centre Team supporting schools. His primary focus is to bridge the gap between ICT & Schools so that they are self-sufficient going into the future

Kieren & Matt will cover the current state of the SIG as well as an in depth talk on its policies and user authentication. Flow of network traffic from devices such as iPads and School Tier 3 servers will be discussed along with common issues and misconceptions of the SIG.

Crispin Harris is a Technical Architect for Kinetic IT. Throughout his 25 year career, Crispin has designed and implemented network and security solutions for organisations such as WA Police, CSC, Woodside and FMG. For the past 6 years, Crispin has worked within the Department and is embarking on his latest challenge, to design the next generation of school networks.

Crispin's presentation will address current school network design, its limitations and provide an overview of requirements being gathered for the future network design.

PLENARY SESSION (Main Theatre) - 10.15am to 11.00am

Leadership Stream – CONNECT
Presented by – Jeni McAuliffe

Jeni is a Principal Project Officer with Strategy and Projects with a background in Secondary Science teaching. She has been involved with Connect since its inception and has worked closely with schools as they embrace and plan to implement Connect. Jeni is also involved in supporting the Office 365 suite and web conferencing in Schools.

Connect is the Department of Education (DoE) integrated online K-12 schooling environment for teachers, students, parents and communities to engage securely and safely in collaborative teaching and learning activities. Connect brings education communities together so that information, learning and curriculum resources can be created, utilised and shared.

This session will look at the new look Connect that will be available in schools towards the end of this year, discuss the enhancements in the new look Connect and its responsive and adaptive nature to all devices.

BREAKOUT SESSION (Foyer) - 10.15am to 11.00am

Technical Stream – ICT TOOLS (SSS / ICT Dashboard)
Presented by – Bernhard Spits

Bernie is an application developer with more than 10 years experience at the Department of Education. He first started on the Service Desk and quickly developed a strong technical grounding that saw him work in numerous roles in infrastructure support, SOE development, and even team leading.

While he had some coding experience through university, his interest peaked during his was heavy involvement in the Departments SOEv4 project. Combining his infrastructure knowledge with scripting skills. Bernie was pivotal in automating a number of processes that helped streamline the SOE deployment. Eg. Automated Server Builds. Bernie is currently a developer in the team responsible for ICT Dashboard, Schools Self Service, and many other applications and integrations that underpin the SOE.

This session will cover the developments in 2018 for the Schools Self Service (SSS) and ICT Dashboard; provide a behind the scenes on these tools on how they function.
Focus on new functionality in the SSS tool such as the network automation using the recently released SSS API and discuss future developments such as switch port Leadership and on boarding wireless access points. Time permitting, the opportunity for a Q&A session at the end.

BREAKOUT SESSION (Studio) - 10.15am to 11.00am

ICT THREAT PREVENTION
Presented by – Mat Platel, Alan Fereday, Nandini Bhundia

Mat Platel is the Operations Manager responsible for managing the teams that deliver Network and Security services to the Department of Education. Although new to Education, Mat has been with Kinetic IT for 10 years delivering infrastructure related services into WA Police, Water Corporation and INPEX. Prior to Kinetic IT, Mat has experience working within IT delivery teams for organisations such as BankWest, Sony and the CSIRO.

Alan Fereday is a Technical Specialist with 20 years experience working within IT operational infrastructure and service delivery. For the last 8 years, Alan has focussed on delivering Information Security services in the corporate and government sectors for organisations such as Bunnings, INPEX and now Education. Alan is a former state secretary for Australian Information Security Association (AISA).

Nandini is a Systems Engineer within the Security Services team. She has 10 years experience within the IT Industry with 7 years focused in Information Security at organisations such as INPEX, LandGate, GovNext and Education.

This session will cover the current practices and future roadmap for providing a secure environment in the Department of Education. This includes:

- Security metrics - From the Department's security landscape
- Phishing emails – Awareness and controls
- Endpoint Protection – An overview of tools and deployment considerations.
- Tier 3 servers – good practices: patching, hardening, backups
- Passwords - Dept Policy, cracked passwords, good password practices, password blacklisting.
- Remote access – Department requirements and expectations.
- USB devices – policy and cautions.

PLENARY SESSION (Main Theatre) - 11.10am to 12.00pm

APPLE PRESENTATION
Presented by – WA Apple Education Team

The Department of Education has enjoyed a collaborative relationship with Apple, and as a result Apple has made significant enhancements to its ecosystem for schools and institutions to enable technology managers, IT administrators and teachers to more easily set up, manage and use Apple devices in the classroom.
New updates help simplify and streamline deployment in both one-to-one and shared environments, and enhancements to the iPad challenge the status quo for what's possible in both the primary and secondary classroom.

Join us for an update on how Apple is supporting DoE schools with the latest technical updates, empowering teachers and school leaders with new resources, and even helping parents and students in new ways never seen before.

PLENARY SESSION (Main Theatre) – 12.45pm to 1.35pm

Leadership Stream - OFFICE365
Presented by – Adam Cheetham

Adam has been working for education for nearly 20 years. He started as a Primary Teacher and administrator before joining E-Schooling. Adam works on several projects in E-Schooling including Connect, Online Professional Learning and Office 365. Adam's is currently assisting schools by providing support and training to assist schools adopting the newly available Office 365 tools.

This session will provide an overview of the current Office 365 products available to schools and the future release of additional products; discuss how they can be enabled and outline the considerations and impacts of using cloud storage and live documents.

BREAKOUT SESSION (Foyer) - 12.45pm to 1.35pm

Technical Stream – School Internet Gateway & Next Generation Networking
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Leadership Stream - webSIS
Presented by – Leigh Cottrill
Leigh is an experienced secondary school principal and currently principal advisor with the webSIS project. Leigh brings a wealth of experience to the role having worked in various regional and metropolitan locations including being the foundation principal at Ellenbrook Secondary College.

Leigh provides system leadership to enhance school capacity to ensure preparation and capability to manage the successful implementation of webSIS, and the professional learning, policy, operational and procedural adjustments this will entail.

The session will provide an overview of the application, an update on the implementation strategy for schools including planning considerations and preparation timelines. The session will also include a brief demonstration of the functionality of webSIS.

BREAKOUT SESSION (Foyer) - 1.45pm to 2.35pm

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PLENARY SESSION (Main Theatre) – 2.45pm to 3.45pm

Presentation by Tim Yorke (Director, ICT Operations & Customer Support) & Glenn Veen (Director, ICT Governance & Planning)

Tim & Glen will provide an update on the department ICT environment, the challenges that have and are currently being addressed; also looking into the future and how ICT is changing to meet the needs of staff and students.

PLENARY SESSION (Main Theatre) – 3.45pm to 4.30pm

ICT Panel Q & A Session
This session will feature presenters from the day in an open forum.
If you did not get a chance to ask your question in one of the sessions, this is your time!

It was very popular last year, so it will be interesting to see if it works with a larger audience.

CLOSE – 4.30pm

WATSSA (Main Theatre) – 4.30pm to 5.00pm

West Australian Technician in Schools Association
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