

National BILT Meeting Chat Box Transcript
February 12, 2019

08:31:50 From Belicia : Hello Mark, It is Belicia, El Centro College

08:31:53 From drwillis : This is Donnie Willis North Central Texas College

08:31:59 From rrocketson : Randy Ricketson of Chattanooga State Community College is here

08:32:04 From Stephen Lyford : Stephen Lyford, Wharton County Junior College is here

08:32:17 From Adam Rocke : Hi. Adam Rocke from Seminole State College here.

08:32:26 From Shari Due : Shari Due Gateway Technical College is here.

08:32:28 From Adam Stark : Adam Stark with Seminole State College

08:32:32 From Ray Koukari - Gateway Technical College : Hello Ray Koukari of Gateway Technical College

08:32:33 From Richard Grotegut : Richard Grotegut, Bay Area Community College Consortium (BACCC)

08:32:39 From Ben Taylor : Ben Taylor from Seminole State College.

08:33:07 From Susan Randall : Susan Randall from Cleveland Community College

08:33:11 From gordonfsnyder : Gordon Snyder is here

08:33:17 From Mark A. Whigham(iamthewhiz) : Mark Whigham from Calhoun Community College is here

08:33:20 From mcoffman : Michael Coffman Collin College

08:33:21 From bernhardt : Ericka Bernhardt Gateway Technical College is here

08:33:24 From Ed Suniga : Ed Suniga, Lansing Community College

08:33:28 From Rick Brunner : Rick Brunner Collin College

08:33:34 From Glenn Jones : Glenn Jones from Tulsa CC is here!

08:33:44 From CyndiKaye Lambach to abeheler@collin.edu(Privately) : Hi CyndiKaye Lambach from Waukesha County Technical College

08:33:47 From R. Pierce : Ryan Pierce - Louisiana Delta Community College

08:33:51 From Elizabeth Pannell : Elizabeth Pannell Collin College

08:33:53 From ronda : Ronda Black from Gallatin College MSU is here.

08:34:02 From Pamela Betts : Pam Betts of San Jacinto College is here.

08:34:05 From Mike Harsh : Mike Harsh is present

08:34:07 From CyndiKaye Lambach : Hi CyndiKaye Lambach from Waukesha County Technical College

08:34:10 From Pamela Brauda : Pamela Brauda from Florida State College at Jacksonville

08:35:46 From Garfield Anderson : Garfield Anderson is here

08:37:53 From John Burns to abeheler@collin.edu(Privately) : John Burns - Century / South Central College

08:39:26 From abeheler@collin.edu : Thank you, if you have checked in to this point I have marked you as present!

08:40:17 From Patrick Logue : Patrick Logue of South Plains College is here

08:40:50 From Mark A. Whigham(iamthewhiz) : Hey Ann, I have a 9:30 class so I won't be able to stay the entire meeting.

08:41:23 From abeheler@collin.edu to Mark A. Whigham(iamthewhiz)(Privately) : Thank you for calling in for what you can.

08:46:27 From Glenn Jones : Just as when WiFi was new, everyone was excited to plug it in and go, without concern for security until they were hacked. IoT seems to be in the same phase.

08:47:43 From gordonfsnyder : Have been reading about Blockchain as a way to improve the success rate of IoT

08:48:25 From gordonfsnyder : Especially in the area of security updates - for both physical and software attacks

08:50:13 From gordonfsnyder : Agree Glenn - there is little security now with this stuff

08:50:26 From Lucas Figg : EdgeXFoundation is pushing forward standards around IoT Edge Software Development and includes Security by Design. <https://www.edgexfoundry.org/>

08:50:29 From amy arnold : NIST releases IoT guidelines: <https://gcn.com/articles/2018/02/15/nist-iot-standards.aspx>

08:52:04 From gordonfsnyder : Amazed at how poor the security is - I can access my neighbor's Samsung frig!

08:52:45 From Mercedes Adams : @Gordon - what's in their frig? Anything good?

08:52:59 From gordonfsnyder : My wife will not let me look :)

08:53:34 From Mercedes Adams : @Gordon - WiFe security network....?

08:54:17 From Lucas Figg : At the Device level you have two types of IoT devices, Real Time Operating Systems (Ubuntu and Windows IOT Core) and Embedded Systems which usually are written in C and C++. Securing the firmware on these devices because they rarely are under lock and key is critical. Most embedded hardware providers use a secure bootloader based on Hardware Root of Trust. But physical access is always total access.

08:55:30 From Lucas Figg : Industrial IoT is typically based on Real Time OS and Commercial/Consumer devices are typically embedded and based on ARM processors.

08:55:47 From gordonfsnyder : Yes Mercedes - wide open and this is someone with a background

08:55:56 From amy arnold : This is interesting - a meeting was held in Jan of this year by this IEEE working group - group working on Architectural Framework for IoT: <http://grouper.ieee.org/groups/2413/>

08:56:17 From Rick Brunner : SEI has coding standards and Philip Koopman, Better Embedded System Software is a great book to understand embedded security into Real Time OSs

08:56:30 From Richard Grotegut : We have adopted both an IoT Fundamentals and a IoT Security course as part of our CA Statewide Model Curriculum for community colleges.

08:56:50 From gordonfsnyder : You can do some really neat IoT projects in the classroom with Arduino and Raspberry Pi and different sensors

08:58:23 From Mark Bickel - Ericsson Inc. : Traditionally network latency best-in-class benchbark was around 10 ms. For 5G IoT we are targetting 0.5 ms (750 microseconds).

08:58:46 From Mark Bickel - Ericsson Inc. : 0.75 millisec

09:00:52 From Richard Grotegut : Frisco Station?

09:01:14 From gordonfsnyder : Excellent conversation. I need to jump off here and look forward to the recording.

09:04:05 From Mark Bickel - Ericsson Inc. : 5G - Densification - microcells and RDS (Radio DOT System) RDS look like small WiFi Access Points

09:07:14 From Richard Grotegut : You need to look at community college students for your DevOps Technicians.

09:08:03 From Mark Bickel - Ericsson Inc. : differentaite Public Cloud from Private Cloud much of the new apps are moving to Private Cloud where security is under better control

09:09:27 From Richard Grotegut : ITIL and DevOPs can work together.

09:11:34 From Richard Grotegut : Our Universities (in CALifornia) don't like it.

09:12:10 From ronda : Applied was the 2nd one what was the first?

09:12:25 From abeheler@collin.edu : Workfroce ready

09:12:27 From R. Pierce : Workforce Ready

09:12:34 From ronda : Thank you!

09:12:56 From glenn wintrich : work force ready was the first

09:16:20 From Richard Grotegut : What about Certification?

09:16:48 From Mercedes Adams : Thanks Glenn - wanted to check to see if "applied" included a standard set of expectations. It sounds like it can be a school based project OR an apprenticeship or internship and both are considered as application of the learning

09:17:35 From Rick Brunner : Certification can be as easy as making students aware of ISC2 under the associates program

09:18:17 From Mark Bickel - Ericsson Inc. : Google devops Certs - I'm starting to hear a lot of buzz around those

09:19:00 From Mark Bickel - Ericsson Inc. : <https://developers.google.com/training/certification/>

09:19:52 From R. Pierce : Might be worth noting which certs carry most weight. It was mentioned but no specifics.

09:21:27 From Mercedes Adams : Vibrant discussion today - really enjoyed the collaboration and idea sharing! Thanks @Glenn for leading the trends conversation.

09:24:53 From Rick Brunner to abeheler@collin.edu(Privately) : Thanks for the "flow control"

09:31:45 From Glenn Jones : Is it permissible to attend both Summer Working Connections workshops?

09:32:29 From abeheler@collin.edu to Glenn Jones(Privately) : I will ask Mark

09:37:31 From abeheler@collin.edu to Glenn Jones(Privately) : Mark said that is a questionmark, you might could attend but would not be able to have travel for both. Please keep in touch with him on this topic.

09:37:53 From Glenn Jones to abeheler@collin.edu(Privately) : Thank you, Ann

09:38:10 From abeheler@collin.edu to Glenn Jones(Privately) : Its actually Christina, lol

09:38:26 From Richard Grotegut : Need to sign off. Thanks everyone.

09:39:12 From mcoffman : I have to sign off. Thanks to everyone.

09:40:01 From Glenn Jones to abeheler@collin.edu(Privately) : Thanks, Christina!

09:46:58 From Lucas Figg : Something we (Dell) talk with customers about over and over is that "Cloud is an Operating Model, not a place" More and more we see customers merging their on-prem operations with off-prem solutions. You run those systems differently in the Cloud Operating Model than you would with Traditional IT. Cost Transparency, Self-Service, Heavily Automated and Service Oriented are some key tenets.

09:49:56 From Mercedes Adams : @Lucas - would you have time to work on the Cloud Capstone this year? It would be beneficial for us to partner on this - but I know the time committment is a challenge.

09:51:51 From Mercedes Adams : @Ann - what a fantastic milestone next week will be....excited to hear about the ITSS kick off session with those 90 thought leaders!

09:52:43 From abeheler@collin.edu to Mercedes Adams(Privately) : Thank you, it will be an exciting adventure can not wait to hear what they have to say and what the outcome is.

09:53:14 From dwight watt : As long as you still email

09:54:25 From Glenn Jones : Poll dance...

09:55:22 From Eric Fusilero : @Ann: I truly applaud the effort and project around priority job roles for future focus. At NetApp, we are continuing to do the same about roles, activities and skills to ensure we are enabling the future trends in the market. looking forward to the output.

09:55:58 From Kyle Jones : Kyle Jones - Sinclair Community College

09:56:01 From dwight watt : Dwight Watt GNTC

09:56:35 From Luann Keizer : Luann Keizer, Grand Rapids Comm College

09:56:38 From portelli : Lenny Portelli Seminole State College

09:56:52 From candy : Christina, I missed the role call. Candy Slocum, InterLink

09:56:58 From Bruce C : Bruce Caraway - Lone Star College

09:57:10 From Susan Randall : thanks

09:57:14 From Ben Taylor : Thanks!

09:57:17 From rrocketson : Thanks!

09:57:17 From Shari Due : Thanks.

09:57:21 From Glenn Jones : Hasta!

09:57:24 From Pamela Betts : thanks