### Thrills for Skills Seekers:

Enterprise MOOCs and Master the Mainframe World Champions!

Enterprise Computing Conference
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#### **Celebrating 50 years of the Mainframe**

- Mainframe50 Celebration in NYC April 8<sup>th</sup>
- Skills announcements and initiatives
- Master the Mainframe World Championship
- MOOC Courses Education for all
  - Offer critical Enterprise skills for students and professionals
  - Available globally

## IBM, Marist College, Syracuse University, and The Linux Foundation present a MOOC Series on Enterprise Computing



Massive Open Online Courses (MOOC)

Online courses will be open to anyone, anywhere, anytime, all 100% free.



Introduction to Enterprise Systems



**Enterprise Computing Strategies** 



**Introduction to Linux** 



#### **Enterprise Systems MOOC Series**

- Introduces individuals across the globe to important IT and mainframe concepts and skills
- Designed for a global audience
- No learning prerequites
- Self paced
- Learning assessments throughout
- Taught / written by experts in industry and academia
- Staggered start times
  - Take one or all three courses
- No cost





#### **MOOC Descriptions**

Marist College	Syracuse University	The Linux Foundation
An Introduction to Enterprise Computing	Enterprise Computing Strategies	Introduction to Linux
• Introduces the concepts of enterprise computing	<ul> <li>Designed to help participants develop a new appreciation for the issues and challenges faced by the</li> </ul>	<ul> <li>Presented by the Linux Foundation, a nonprofit consortium focused on open source</li> </ul>
• Explains the role of the IBM System z hardware and its primary operating system z/OS	modern technology manager and offer guidance for developing the skills and tools needed to make more informed computing infrastructure	<ul> <li>Designed for those who have limited or no previous expose to Linux</li> </ul>
<ul> <li>Intended for participants who wish to begin their studies of System z or expand their understanding of</li> </ul>	decisions in the enterprise computing environment	<ul> <li>Linux appears in many different architectures, from mainframes to</li> </ul>
large systems with an emphasis on commercial computing.	<ul> <li>Focuses on strategies in computing resource provisioning, ways to help organizations save money on</li> </ul>	server to desktop to mobile, and on a staggeringly wide variety of hardware
<ul> <li>Provide an overview of different types of workloads; for example, transaction processing, business analytics, end user interactive computing, web serving, data serving, batch, and many others.</li> </ul>	equipment acquisition and labor, reducing energy consumption, and simplifying and securing IT infrastructure.	<ul> <li>Participants will explore tools and techniques commonly used by Linux programmers, system administrators and end users to achieve day-to-day work in a Linux environment.</li> </ul>



#### **MOOC Schedule**

	Marist College	Syracuse University	The Linux Foundation
Title	An Introduction to Enterprise Computing	Enterprise Computing Strategies	Introduction to Linux
Registration dates	4/6 – 7/15	4/8 – 9/8	Open registration and enrollment
Start date	5/15	9/2	Course available on 8/1
End date	7/15	10/14	Open registration and enrollment
Registration link	https://mooc.marist.edu/ web/ecc	ischool.syr.edu/ecsmooc	https://www.edx.org/course/linuxfoundationx/linuxfoundationx-lfs101x-introduction-1621
Estimated hours	35 – 45 hours	40 – 60 hours	40 – 50 hours
Instructor(s)	Angelo Corridori	Dave Dischiave and Susan Dischiave	Jerry Cooperstein



#### **Master the Mainframe Contest growth**

- Master the Mainframe Contests run regionally since 2005
  - Hands-on introduction to System z
  - No experience necessary
  - Increasing difficulty, increasing prize levels
    - Part 1: 1-2 hours to complete, win a T-shirt
    - Part 2: 10-20 hours to complete, win IBM Prize Pack (\$100)
    - Part 3: Weeks to months to complete, win a tablet computer and a trip to an IBM
- 38 countries, 70,000 students, 6 continents
- US & Canada: Nine consecutive years of growth
  - 750 students in 2005
  - 5,601 students in 2013 (including over 2,000 high school students)





#### Master the Mainframe Contest Lake Brantley High School – 220 students enrolled



http://youtu.be/SNu1b-bBuh8



## Master the Mainframe World Championship 43 students, 23 countries, 1 champion





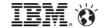


#### Master the Mainframe World Championship The world's top students compete



- Remote challenges: March 10 April 4
  - Students log on from home country
  - IBM teams supporting each student, regular teleconferences
  - Students submit briefs: Systems of Engagement vs. Systems of Record
- In-person preliminary round: April 6
  - Hosted at the IBM Executive Briefing Center, Poughkeepsie
  - Students demonstrate banking application
  - Judges from across the lab
- Final round: April 7
  - Hosted at IBM facility, 590 Madison Ave, NYC
  - Top six students from previous rounds
  - Judges from across industry and academia





#### Master the Mainframe World Championship The all-star judges



David Ditillo MetLife Insurance





Jenna-Shae Banks First Citizens Bank



Seth Reichelson Lake Brantley High School



Jeff Gill VISA



Susan Dischiave Syracuse University



Lonnie Emard BlueCross BlueShield of SC







#### Master the Mainframe World Championship The highlight reel





http://youtu.be/bDcpE\_JVeqA



## Master the Mainframe World Championship *The results!*





- 1st place: Yong-Siang Shih, Taiwan
- 2nd place: Rijnard van Tonder, South Africa
- 3rd place: Philipp Egli, United Kingdom
- 4<sup>th</sup> place: Mugdha Kadam, United States
- 5<sup>th</sup> place: Shahini Sengupta, India
- 6th place: Aaron Call Barreiro, Spain



#### Master the Mainframe World Championship Shared memories, shared futures







#### Master the Mainframe Contests worldwide New web portal



## http://ibm.co/mtm

- Upcoming contests
- Highlights from World Championship
- Resources and information for:
  - Students
  - Parents
  - Employers
  - Educators



https://www.facebook.com/MasterTheMainframe



#### Master the Mainframe Contests worldwide Big plans for 2014



Meet Troy Crutcher (tdcrutch@us.ibm.com), the new contest team leader!



Contest lineup for 2014:

-Australia

-Belgium

-Brazil

-Canada

-China

-France

-Germany

-India

-Kenya

-Luxembourg

-Mexico

-Netherlands

-Poland

-Puerto Rico

-Russia

-South Africa

-South America

-Spain

-Switzerland

-Taiwan

-Ukraine

-United Kingdom

-United States

http://ibm.co/mtm



# Questions?