

Capability building programs for ccTLDs



In the mists of time....

- + Initial idea floated in October 2003
(ICANN 18 - Carthage, Tunisia)
 - Concept of Registry Operations Curriculum with NSRC and ISOC
 - Providing training to Registry operators who otherwise may not have access to training.
- + Initial training in June 2004
- + Concept continues and adapts to this day

+ Trainings are offered in partnership with Regional TLD organisations

(AFTLD, APTLD, LACTLD, etc...)

- Topics of trainings are request driven

+ We also do some trainings at request of individual TLDs

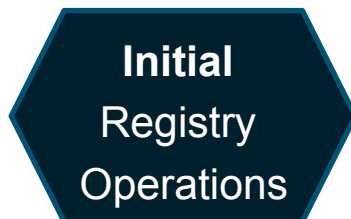
Registry Operations Curriculum



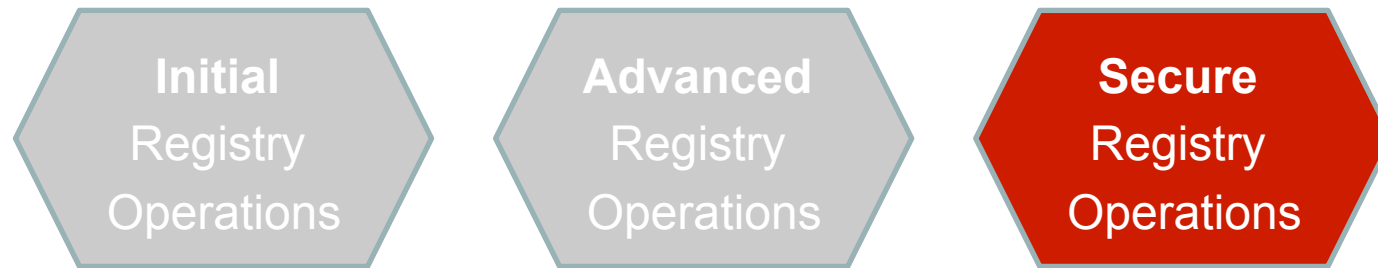
Registry Operations Curriculum (ROC)

Three-tier, Hands-on Operations and Security Training
Technical Components & Concepts Needed Run a Registry
Cyber Attack Detection, Monitoring, Analysis & Response

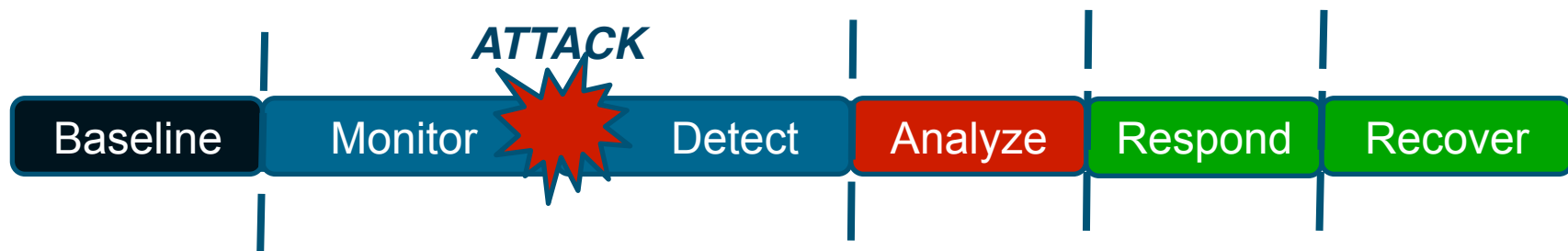
- Registry Technical & Security Training
 - Provide Operational Training to ccTLDs
 - Create Foundation to Build Resiliency in ccTLDs
 - Addresses Gaps Identified by the Community



SROC



- 3-Day Course Targeting Those Seeking to Secure Their Operations
- Introduces Structured Approach to Conducting Secure Operations
- Instructs Current & Emerging Threats to Technical & Business Operations
- Evolves Skills & Capacity to Monitor, Analyze, Detect & Respond to Cyber Attacks
- Allows Students to See Attacks, Respond & Enact Mitigation Actions
- Topics Include: External & Internal Threats, Attack Analysis, Incident Response



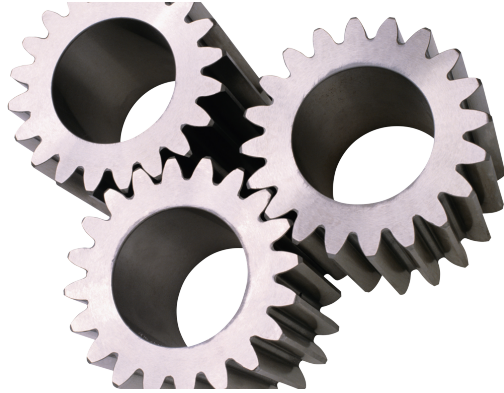
ACRP



- Survey Course of Principles & Planning
- Innovative Use of Templates Simplify the Planning Process for Small Operations
- Instructs ccTLDs in Assessing Risks, Developing a Strategy, Executing the Strategy

I.		II.	
Critical Business Activity (Process / Function)	Key People	Key Hardware / Software / Systems	Key Information
1-Critical Publishing a zone file to name servers	• Registry staff • IT staff	• Registry staff • DNS servers • Primary zone servers • Internet routers	• DNS zone files • Archived / backup of zone file
1-Critical Resolving DNS queries	•	•	•
2-Vital Registration process (Processing and maintaining registration information)	• Registry staff • Webmaster / IT staff	• Registry website • DNS servers • Registrars - PCITF computers • Internet access • Phone • Fax	• Registrar records • Database
2-Vital Producing and maintaining the zone file	• Registry staff • Webmaster / IT staff	• DNS servers • Registrars - PCITF computers • Registry staff	• Unable to process new registrations and operators would go elsewhere • Registrar records • Database
2-Vital Communicating with users and key stakeholders	• ccTLD President / CEO • Public Affairs / Relations personnel	• File • Email • Phone • Public Relations staff • Computers	• "Update" zone file • Registrar records • Database • Production zone file
3-Critical Billing	• Accounting staff	• Accounting system / database server	• Registrar records • Registrar account

DNSSEC (in cooperation with NSRC.ORG)



- + Understanding DNSSEC
 - + Experience building through hands-on workshops
 - + Design and implementation discussions
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- + Follow-up if needed to help with actual deployment

My questions to the community

- + Are these trainings still needed?
- + Are there other areas/topics we should focus on?
- + How else can we work together?
- + Answers to ... john.crain@icann.org

Thank You & Questions?

