



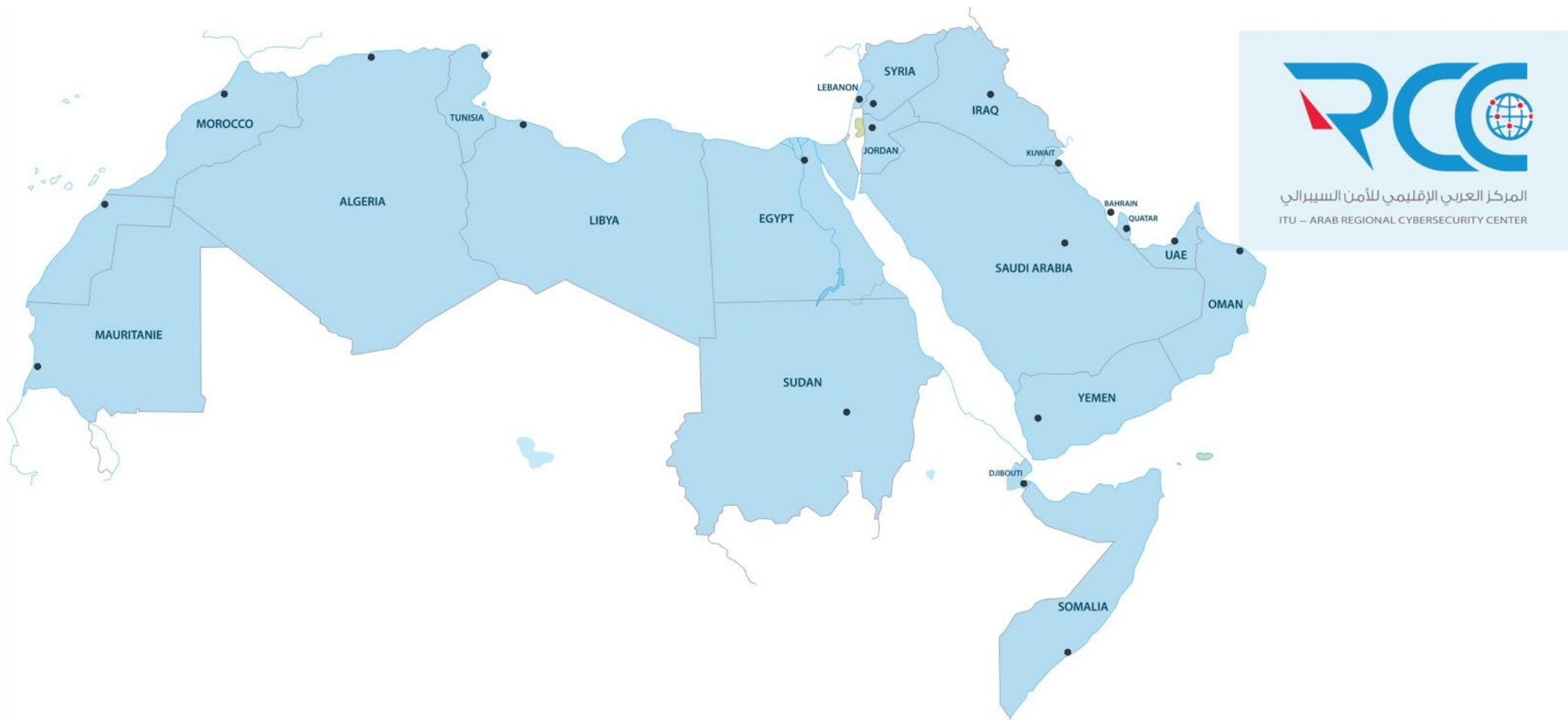
المركز العربي الإقليمي للأمن السيبراني
ITU - ARAB REGIONAL CYBERSECURITY CENTER

ITU- Arab Regional Cyber Security Center's Activities & Regional Threats landscape

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DG OF OMAN NATIONAL CERT
Dar es Salaam – November - 2017



المركز العربي الإقليمي للأمن السيبراني
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Cybersecurity Strategy and Governance

- National Cybersecurity Strategy
- Critical National Information Infrastructure Protection
- National Public Key Infrastructure
- Child Online Protection Framework

Cybersecurity Assurance & Compliance

- ISMS Implementation
- ISMS Gap Analysis
- Cybersecurity assessment

Technical Services and Information Sharing

- Threats and Notifications Alert Service (TNAS).

Computer Incident Response

- CIRT Assessment
- CIRT Implementation
- CIRT Gap Analysis

Cybersecurity Capacity Building

- Specialized Training
- Workshops, Conferences, Seminars
- Cybersecurity Scholarships
- High level briefing and awareness
- Exercises and Competitions
- Cyber drills

2014

April- Malware Analysis Workshop (Oman)

April- Incident Handling and Response Workshop (Oman)

June- ISMS: Implementing ISO /IEC 27001:2013 workshop (Yemen)

September- Cybersecurity Management Workshop (Comoros)

December- Promoting safer cyber space in the Arab region with ESCWA (Oman)

December- Cybersecurity Management Workshop (Mauritania)

14

Workshops

2015

September- Cairo Security Camp 2015 workshop (Egypt)

October- ITU Regional Strategy COP Workshop (Egypt)

November- Security & Data Protection On the cloud workshop (Tunis)

November- Cybersecurity Management Workshop for LDC (Djibouti)

2016

October- Managing Justice Electronically (UAE)

November- FIRST Arabic and African Regional Symposium (Egypt)

2017

Jan – protecting oil and gas industrial infrastructure from emerging cyber threats

May : Cyber security War, Oman





14
Workshops

20
Conferences
&
Summits

2014

April- Arab regional cyber security Summit- Oman

April- COMEX- Oman

June- Cybersecurity Trends Conference- Yemen

2016

May- Cyber security seminar-Morocco

October – Regional Cybersecurity Summit - Egypt

2015

March- Regional Cyber Security Summit- Oman

April\May – COMEX- Oman

June- International Law and State Behavior in Cyberspace Series Eurasia Regional Seminar- Oman

September- Middle East Cybersecurity Conference & Exhibition- Oman

November- The 3rd Cyber Security for Energy & Utilities Oman conference- Oman

December- Arab days of cyber-security: Prospect of cooperation for protecting Cyberspace seminar- Lebanon

December- Cyber Terrorism Seminar- Egypt

2017

March ; applications of modern technologies in arab countries : challenges and trends , Lebanon

March : Comex Exhibition - Oman

Sep : tenth cyber defense summit, UAE

Sep : Arab security conference , Egypt

Sep : 11th Cyber Defense summit , Qatar

2013

March - Arab Regional Cybersecurity Summit- Oman

October- GITEX Dubai- UAE

November- ITU Telecom World- Thailand

2014

August- CIRT Assessment Workshop- Palestine

August- CIRT Assessment Workshop- Jordan

September- CIRT Assessment Workshop- Comoros

2017

August- CIRT Assessment Workshop- Yemen





14
Workshops

4
CIRT
Assessments

20
Conferences
&
Summits

17
Trainings

2015

January- Penetration Testing Training- Oman

November- Ethical Hacking Training- Djibouti

2016

May- CIRT Training- Technical Track – Tunis

May CIRT Training – Management Track- Tunis

August- ISO/IEC 27001:2013 ISMS implementation- Oman

2017

March: Ec Council Camp for technical , Qatar

March: Ec Council Camp for Management , Qatar

April : Certified Security Computer User, Muscat

May : web security attacks and solutions, Muscat

May : web security attacks and solutions, Djibouti

May : vulnerability Assessment and pen testing, Djibouti

July : penetration testing, Oman

2013

September- CIRT Train the Trainer- Oman

2014

November- Ethical Hacking Training- Mauritania

December- Network Traffic & Packet Analysis training- Oman

2013

October- Regional Cyber Drill- Oman

2014

November- COP challenge- Bahrain

2015

March- Cybersecurity Regional Innovation Program Exercise- Oman

April\May- Regional Cyber Drill- Egypt

2016

May- Regional Cyber Drill- Tunisia

2017

March – regional cyber Drill- Qatar

Oct – National Cyber Drill- Oman

Nov – National Cyber Security CTF competition – oman





2013
October- COP strategy workshop-
Oman

2014
September- COP Strategy Workshop-Bahrain



Tunisia



Oman



Egypt



Djibouti



Morocco



Comoros



Mauritania



Lebanon



Palestine



EC-COUNCIL SECURITY ONLINE TRAININGS & EXAMS





70 CYBER SECURITY ACTIVITIES
70 Cyber Security Scholarships

- **National Drills**
- **Regional Drills**
- **International Drills**

- No. of Participated Organizations: 45
- No. of Players : 11

Scenarios

- Government website hacking
- Government staff e-mail hacking via phishing
- Malware and viruses

2014



2015

- No. of Participated Organizations: 17
- No. of Players : 36

Scenarios

- Malware Analysis
- web defacement



2016

No. of Participated Organizations: 27

No. of Players : 100

Scenarios

- Data ex filtration analysis
- web defacement
- Windows Forensics
- Linux hardening



2017

- No. of Participated Organizations:
34
- No. of Players :68

Scenarios

- Malware / Ransomware Analysis
- Network defacement
- Digital Forensics - windows OS
- Data Leakage
- Website attacks (CTF)
- Table top Exercise



- Regional Cyber drill – Oman
- No of participated countries : 13

2013



- Regional Cyber drill - Egypt
- No of participated countries : 9

2015



- Regional Cyber drill - Tunis
- No of participated countries : 10

2016



- Regional Cyber drill - Qatar
- No of participated countries : 16

2017



APCERT Drills
2013-2017



OIC-CERT Drills
2012-2017



Oman's Capture The Flag (CTF) Competition



The Largest Cyber Security Competition in the Middle East

Compete to be One of The Top Cyber Talents in Oman

For Registration:
www.cybertalents.com

Host by:  Oman National CERT

Organized By:  CYBER TALENTS

Strategic Partner:  TREND MICRO

Local Organizing Partner:  RCC
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Supporting Partner:  Dept. of Information Systems, CEPS

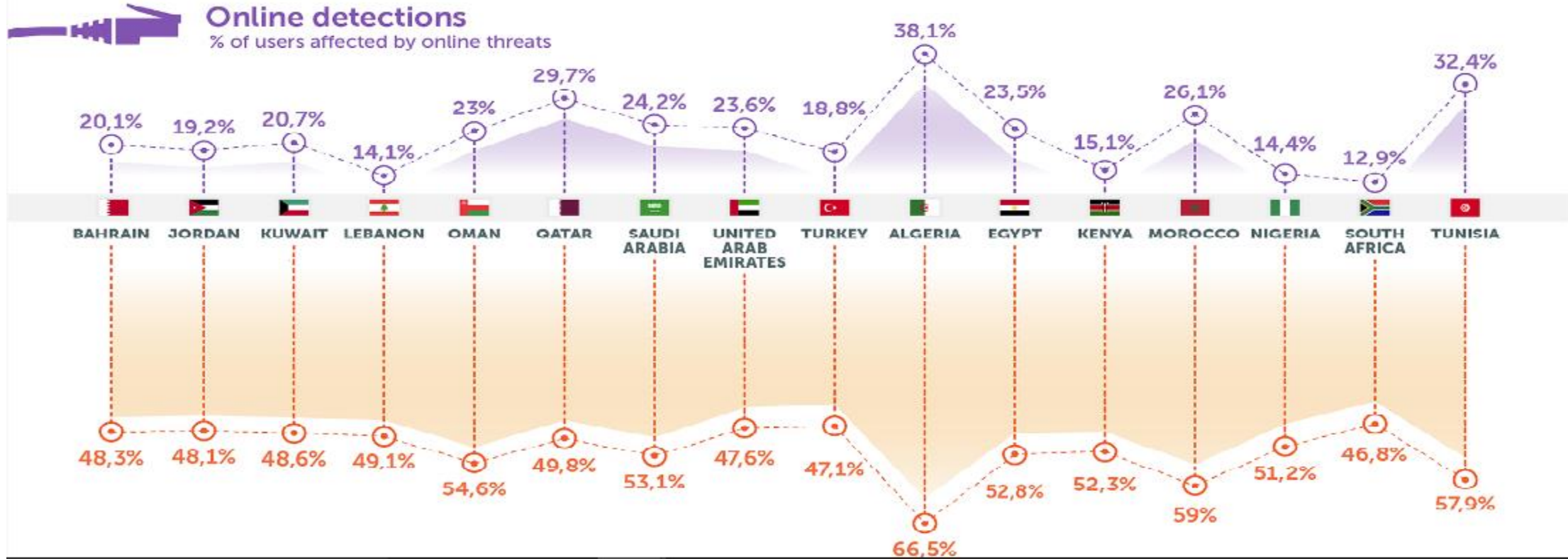


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Arab Region : Cyber Security Threat

Cybersecurity threats

In the countries of the Middle East, Africa and Turkey



Ref : Kaspersky Security Network (KSN) statistics for the first quarter of 2017

- The highest numbers of web threat incidents were reported in :
 - **Algeria (38.1%)**
 - **Tunisia (32.4%)**
 - **Morocco (26.1%)**
 - **Egypt (23.5%)**

- the countries experiencing most threats were:
 - **Qatar (29.7%),**
 - **Saudi Arabia (24.2%)**
 - **UAE (23.6%)**

- The number of ransomware notifications in the region increased **36%** compared to the first quarter of 2016

Ref: Kaspersky Security Network (KSN) statistics for the first quarter of 2017

Figure 6.1: Average pillar scores by region

Region	Legal	Technical	Organizational	Capacity Building	Cooperation
AFR	0.29	0.18	0.16	0.17	0.25
AMS	0.40	0.30	0.24	0.28	0.26
ARB	0.44	0.33	0.27	0.34	0.29
ASP	0.43	0.38	0.31	0.34	0.39
CIS	0.58	0.42	0.37	0.38	0.40
EUR	0.61	0.60	0.45	0.49	0.46

Confirmed Projects in Pipeline 2017

N o.	Country	Organisation	Project	Propose Date
1	Tanzania	ITU-FIRST	Africa and Arab symposium and Cyber Drill	13-17 Nov 2017
2	Oman	ARCC	ACCT Fifth High Level Meeting	19-Nov-17
3	Oman	OCERT	Regional Cybersecurity Summit 2017	20-21 Nov 2017
4	UAE	EC-Council	2nd Edition Fintech Security Conference 2017	7-Dec-17
5	Oman	ITU-T	ITU-T Group 17 Meeting	10-Dec-17
6	Oman	Chatham house	Cyber Security of the Sustainable Energy Sector in the GCC	11-Dec-17
7	Arab	ARCC	Regional Cybersecurity Innovation Program	December 17
8	Egypt	ARCC	Regional Cyber Security CTF Competition	15-16 Dec 2017
10	Oman	OCERT	Security Policy and Procedures Training	17- 19 Dec 2017



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THANK YOU



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