Industry Changing Innovation comes to Cyber Security
<table>
<thead>
<tr>
<th>Augmented Intelligence</th>
<th>Mobile</th>
<th>APIs/ Microservices</th>
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<tbody>
<tr>
<td>Serves as the engine for security practitioners</td>
<td>Becomes the primary interaction channel</td>
<td>Enables partners to collaborate automatically and facilitates innovation</td>
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<tr>
<td>Identifies business-critical security intelligence</td>
<td>Empowers front line staff with insights and enables quick action</td>
<td>Must be secured by design</td>
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**Cloud**

<table>
<thead>
<tr>
<th>Cloud</th>
<th>Blockchain</th>
<th>Internet of Things</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enables companies to move beyond legacy</td>
<td>Resolves trust issues and enables better transactional security</td>
<td>Equips physical assets with digital data</td>
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<tr>
<td>Delivers cost-effective innovation quickly</td>
<td></td>
<td>Enlarges the attack surface</td>
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Innovation as a Practice

1200 Security Patents
- Pre-emptively detecting and isolating cloud application network intrusions
- Managing incoming communications to prevent phishing and the spread of malicious content
- Mapping security technology vernacular into business speak

1400 Designers & Innovators
- “Wild Ducks”
- Master Inventors
- Distinguished Engineers
- Distinguished Designers

50+ Research & Innovation Projects
- Hack-a-Thons
- Competitions
- Design Workshops
- Education
- Innovation awards
- Alpha Programs
Raphael
Security Operations Analyst

Large skills gap in security expertise worldwide

Lack of timely and actionable intelligence plagues security teams

Data breaches continue with no end in sight
Havyn is a cybersecurity assistant powered by Watson.

Havyn enables clients to get answers and insights from IBM quickly on their pressing security questions via natural voice and touch interactions.

Havyn assists security analysts with research tasks enabling faster and more accurate offense investigations and connects them with clients in order to solve their security challenges.
IBM ONE Architecture
Highly scalable and flexible, cloud-ready, enabled with security, to meet our client’s most aggressive needs

Applications / Clients
Finished products for clients & staff (web, table top, mobile)

Microservices
Independent modular services with well defined interfaces

AI
Building blocks for developers

Data
Tools to prepare data for cognitive

Cloud
A highly scalable, security enabled foundation
Demonstration
Security Stream

Suspicious Activity
Investigation by: Raul Wood
The nature of the threat is unknown but behavior is suspicious. The threat might include protocol anomalies.

Winter Olympics hit by massive cyber-attack
The official Winter Olympics website was taken offline after being hit by a cyber-attack, officials have confirmed.

Incidents
Active Security Incidents: 26
Required Action: 2

- DDoS Attack - June 1, 2017 at 1:02 PM - Resilient
- SSH Brute Force - May 28, 2017 at 4:12 PM - In Progress
- Unauthorized Access - May 20, 2017 at 2:10 PM - Closed
Hi Justin, I am Watson, I can answer your security questions. Try asking me "What is happening in cyber security?"

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There are new high risk threats that you should review.

Microsoft Windows Threat 173
RISK LEVEL: 6.3

Synopsis:
Joyent SmartOS could allow a local attacker to gain elevated privileges on the system, caused by a use-after-fre in $REPOC_TREE_RELE-idx. An attacker with the ability to execute low-privileged code could exploit this vulnerability to execute arbitrary code within the...

Details:
Refer to Joyent Security Advisory for patch, upgrade or suggested workaround information. See References.