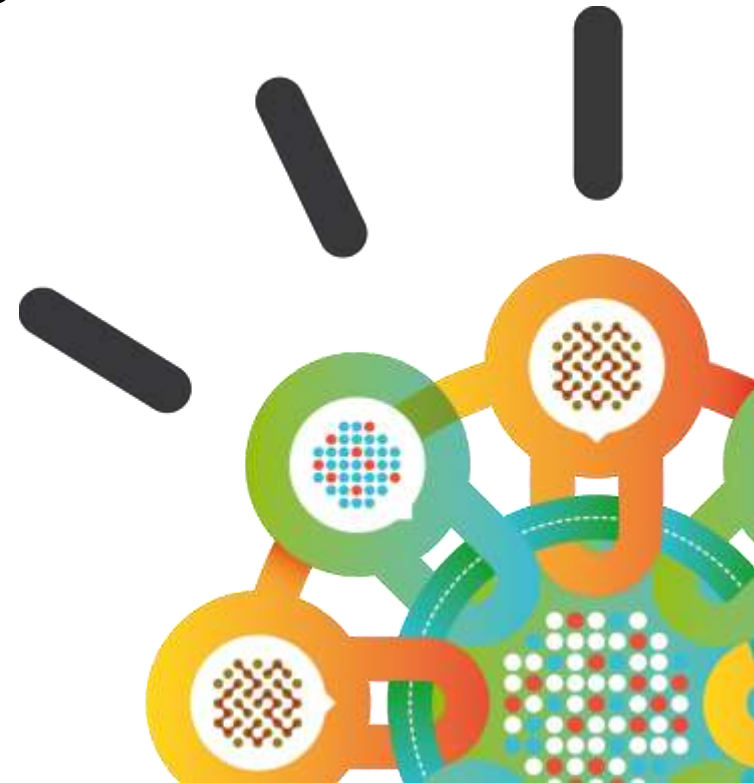


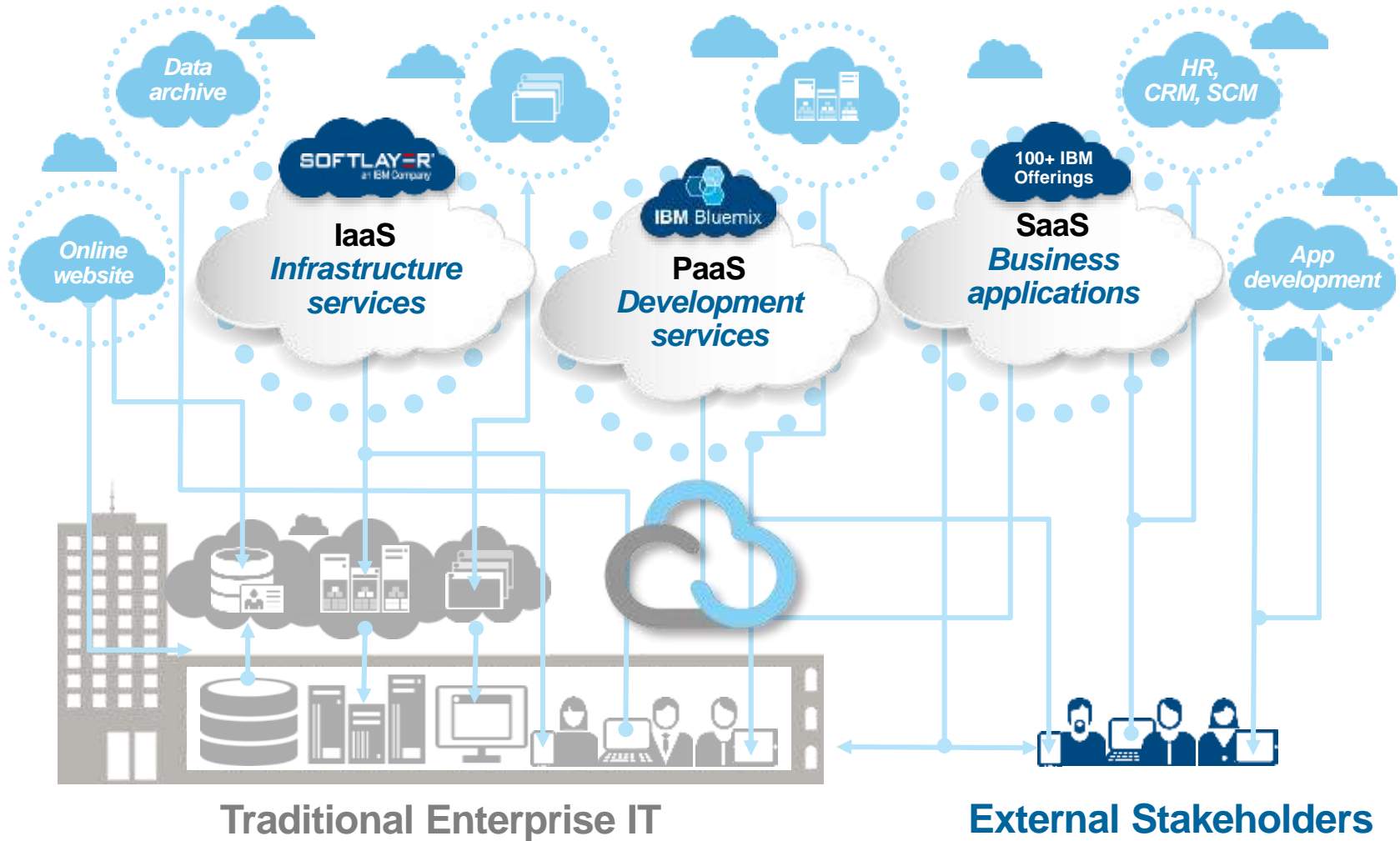
Security Intelligence.  
Think Integrated.

## *Securing the Cloud infrastructure with* **IBM Dynamic Cloud Security**

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# Cloud is rapidly transforming the enterprise



External Stakeholders

Private Cloud Public Cloud

# Cloud presents the opportunity to radically transform security practices



## Traditional Security

Manual, static,  
and reactive



## Dynamic Cloud Security

Standardized, automated,  
agile, and elastic



*Point of View:*

*Cloud security is not only achievable, it is an opportunity to drive the business, improve defenses and reduce risk*

## Clients focus on three imperatives for improving security

*How can I understand who is accessing the cloud from anywhere, at anytime?*

### **Govern the usage of cloud**



*“Going to the cloud gives me a single choke point for all user access – it provides much more control.”*

*How can I fix vulnerabilities and defend against attacks before they’re exploited?*

### **Protect workloads and data in the cloud**



*“Cloud gives me security APIs and preconfigured policies to help protect my data and workloads”*

*How can I obtain a comprehensive view of cloud and traditional environments?*

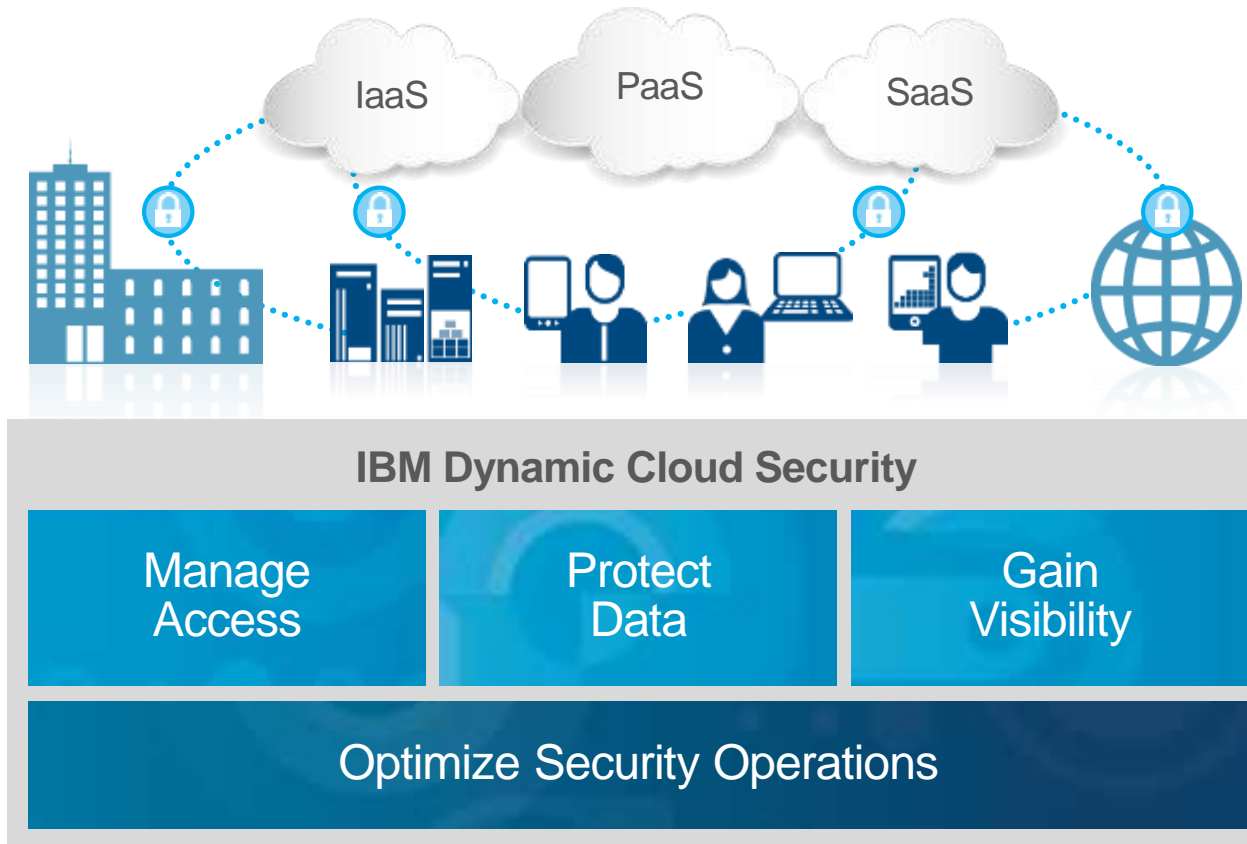
### **Detect threats with visibility across clouds**



*“I can take advantage of centralized cloud logging and auditing interfaces to hunt for attacks.”*

Introducing the world's most comprehensive portfolio of cloud security products and services

## IBM Dynamic Cloud Security



# Help securely connect people, devices, and applications to the cloud



**Manage identity and access with speed**

**NEW! Cloud Identity Services**

Easily onboard and manage users through IBM-hosted infrastructure and expertise

**Safeguard access to cloud-deployed apps**

**NEW! Cloud Sign On Service** *(for Bluemix)*

Allow developers to quickly introduce single sign on to web and mobile apps via APIs with OpenID, OAuth 2.0 support

**NEW! Cloud Access Manager** *(for SoftLayer)*

Defend cloud applications with pattern-based protection, multi-factor authentication, and context-based access control

**Govern privileged user access**

**NEW! Cloud Privileged Identity Manager** *(for SoftLayer)*

Audit privileged SoftLayer accounts and track app-to-app credentials

Manage Access

Protect Data

Gain Visibility

Optimize Security Operations

# Identify vulnerabilities and help prevent attacks targeting sensitive data

## Protect enterprise data in cloud repositories



### **NEW!** Cloud Data Activity Monitoring (for SoftLayer and AWS)

- Monitor sensitive data access in cloud repositories
- Automatically discover, classify, and assess sensitive data in the cloud
- Create centralized auditing for data sources deployed on cloud virtual images

## Discover vulnerabilities before putting cloud and mobile apps into production



### **NEW!** Cloud Web and Mobile Application Analyzers (for Bluemix)

- Scan applications prior to putting them into production (Dynamic Analyzer)
- Scan mobile applications prior to release in app stores (Mobile Analyzer)
- Requires minimal developer training / preparation

Manage Access

Protect Data

Gain Visibility

Optimize Security Operations

# Continuous monitoring for security breaches and compliance violations

**Dynamically analyze security posture of users, apps, networks, and other assets across the enterprise and in the cloud**

## **NEW! Cloud Security Intelligence**

*(QRadar support for hybrid clouds and SoftLayer)*

- Integration with multiple cloud services
  - IBM SoftLayer
  - Qualys
  - Amazon CloudTrail
  - CloudPassage
  - Salesforce.com
  - IBM Security Trusteer Apex
  - Zscaler
  - OpenStack
- Built-in encryption and compressed data transfers between clouds and on-premise data centers
- Installation on SoftLayer and/or Amazon Web Services for visibility to event and flow data across physical, virtual, and cloud infrastructures



Manage Access

Protect Data

Gain Visibility

Optimize Security Operations



# Optimize security intelligence and operations for the cloud

**Deploy intelligence-driven security maturity across all environments**



**NEW! Security Intelligence and Operations Consulting Services**

Assess security practices, plan, design and build out world-class Security Operations Centers to extend security to the cloud

**IBM security experts to help keep your cloud secure and compliant**



**NEW! Cloud Security Managed Services**  
*(for SoftLayer)*

Highly trained analysts in global Security Operations Centers manage security and provide emergency response services

**Enhanced monitoring and correlation of hybrid cloud security events**



**NEW! Intelligent Threat Protection Cloud**

Consolidated view using big data, visualization, and intelligent threat analysis with expert knowledge to respond to security incidents

Manage Access

Protect Data

Gain Visibility

**Optimize Security Operations**

# IBM Dynamic Cloud Security: Agile, intelligent, and flexible



## Customer Need

## IBM Dynamic Cloud Security

### ***Built for Hybrid Cloud***

Consistent protection against threats – whether they occur on-premise or in the cloud

A portfolio to help customers leverage existing security investments and bridge a mix of traditional IT, private, public, and hybrid cloud models

### ***Integrated Security Intelligence***

End-to-end visibility and defense for users, data, and applications across multiple cloud infrastructures

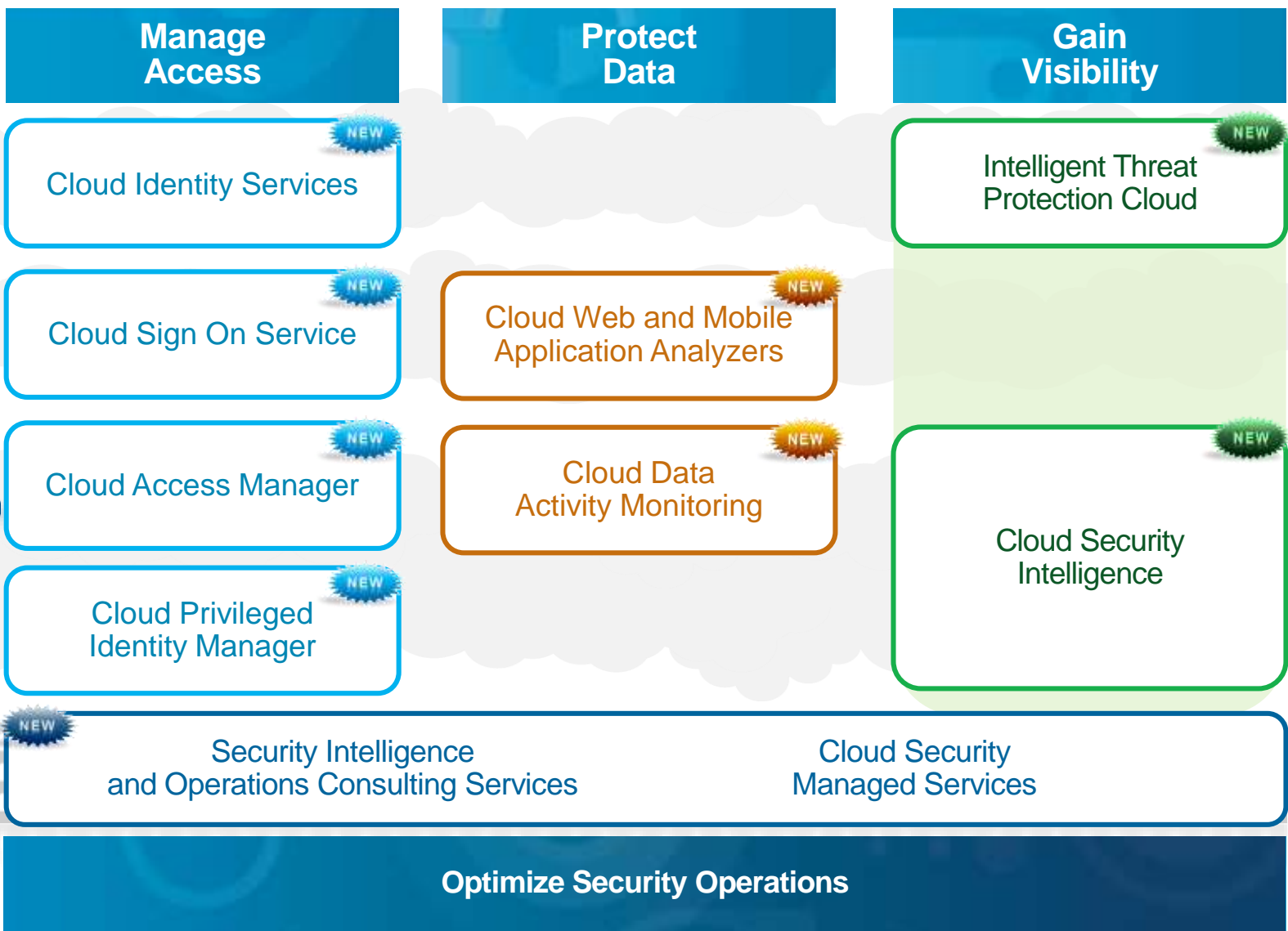
Integrated, enterprise-grade security with advanced analytics and controls throughout the cloud to help achieve a “single-pane-of-glass”

### ***Flexible Delivery Options***

Security that fits the business and each cloud initiative – there is no “one size fits all” approach to cloud

A portfolio aligned to specific cloud users – with ease of use for lines of business, APIs for developers, and advanced features for security teams

# IBM Dynamic Cloud Security Portfolio



# Learn more about IBM Security



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**Statement of Good Security Practices:** IT system security involves protecting systems and information through prevention, detection and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, misappropriated or misused or can result in damage to or misuse of your systems, including for use in attacks on others. No IT system or product should be considered completely secure and no single product, service or security measure can be completely effective in preventing improper use or access. IBM systems, products and services are designed to be part of a lawful, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products or services to be most effective. IBM DOES NOT WARRANT THAT ANY SYSTEMS, PRODUCTS OR SERVICES ARE IMMUNE FROM, OR WILL MAKE YOUR ENTERPRISE IMMUNE FROM, THE MALICIOUS OR ILLEGAL CONDUCT OF ANY PARTY

# Thank You

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# IBM is uniquely positioned to offer Security for the Cloud




## IBM Cloud

- 40** IBM global data centers *expanded from 25*
- 15** Countries and 5 continents covered by IBM Cloud
- 500** IBM developers working on cloud open source
- 40K+** IBM Cloud experts with deep industry knowledge
- 80%** Of Fortune 100 companies use IBM Cloud capabilities
- 30K+** IBM Cloud clients
- 300K+** Trading communities connected to IBM's B2B cloud network
- 1B+** Passengers in 30 of the busiest airports get to their destinations with the help of IBM Cloud



## IBM Security

- 13** Security segments with industry leading capabilities
- 10** IBM Security Operations Centers (SOCs)
- 133** IBM Security supported countries
- 6K+** IBM Security professionals worldwide
- 10K+** IBM Security customers worldwide
- 270M+** Endpoints protected from the cloud
- 20B** Customer security events monitored each day
-  Industry leading security research team



# IBM Dynamic Cloud Security Portfolio



## Manage Access

*Safeguard people, applications, and devices connecting to the cloud*

- Cloud Identity Services **NEW!**
- Cloud Sign On Service **NEW!**
- Cloud Access Manager **NEW!**
- Cloud Privileged Identity Manager **NEW!**

## Protect Data

*Identify vulnerabilities and help prevent attacks targeting sensitive data*

- Cloud Data Activity Monitoring **NEW!**
- Cloud Mobile Application Analyzer **NEW!**
- Cloud Web Application Analyzer **NEW!**

## Gain Visibility

*Monitor the cloud for security breaches and compliance violations*

- Cloud Security Intelligence **NEW!**

## Optimize Security Operations

*Deliver a consolidated view of your security operations – at unprecedented speed and agility*

- Security Intelligence and Operations Consulting Services **NEW!**
- Cloud Security Managed Services **NEW!**
- Intelligent Threat Protection Cloud **NEW!**

## Mapping of new capabilities to formal product names

New Capability	IBM Product / Service
<b>Manage Access</b>	
<b>Cloud Identity Services</b>	IBM Cloud Identity Services
<b>Cloud Sign On Service</b>	IBM Single Sign On
<b>Cloud Access Manager</b>	IBM Security Access Manager
<b>Cloud Privileged Identity Manager</b>	IBM Security Privileged Identity Manager (v2.0)
<b>Protect Data</b>	
<b>Cloud Data Activity Monitoring</b>	IBM InfoSphere Guardium Data Activity Monitoring
<b>Cloud Mobile App Analyzer Service</b>	IBM AppScan Mobile Analyzer
<b>Cloud Web App Analyzer Service</b>	IBM AppScan Dynamic Analyzer
<b>Gain Visibility</b>	
<b>Cloud Security Intelligence</b>	IBM QRadar Security Intelligence (v7.2.4)
<b>Optimize Security Operations</b>	
<b>Security Intelligence and Operations Consulting Services</b>	IBM Security Intelligence and Operations Consulting Services
<b>Cloud Security Managed Services</b>	IBM Cloud Security Managed Services
<b>Intelligent Threat Protection Cloud</b>	IBM Intelligent Threat Protection Cloud