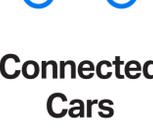


# Infographic: The Challenges of Securing Big Data

## Big data drives the modern enterprise

The world is radically changing with data at the center of value creation for enterprises. Smart devices, from connected cars to IoT devices of all kinds, stream massive volumes of data that enterprises leverage for customer and competitive insights.



**Connected Cars**



**Smart Infrastructure**



**Mobile Transactions**

## Trends in big data

The digital universe **doubles** every 2 years.<sup>1</sup>



An estimated **20 billion** devices will be connected to the internet by 2020.<sup>2</sup>



## Feeding volumes of sensitive data into data lakes

But among the petabytes of data captured by enterprises is sensitive information of all kinds that, if stolen, results in harmful consequences to consumers affected and the business breached.



**Healthcare**



**Identity**



**Intellectual Property**



**Location**



**Financial**



**Behavioral**

## Challenges in big data



Big data is the **#1 target** for spend increase for Chief Security Officers.<sup>3</sup>

**1 in 2 employees** that request big data access are denied.<sup>4</sup>



## Limits of traditional IT security



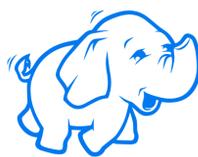
### Data vulnerable in the cloud



Traditional on-premise security controls cannot be extended to the hybrid cloud or protect data streaming from IoT devices.



### Data protection can't scale dynamically with Hadoop



Traditional system-based security cannot scale at the speed of big data growth for most organizations.



### Data is not protected while in use



Traditional data storage security cannot protect data when it is being used by applications or being analyzed.



### Data vulnerable at third parties



On-premises embedded system security cannot extend when shared outside the organization.

**A new security approach is needed that scales dynamically with the growth of big data**

## Discover the solution

Learn more in our new ebook, available now!



[Download Now](#)

1: The Digital Universe of Opportunities: Rich Data and the Increasing Value of the Internet of Things, IDC  
 2: "Gartner Says 8.4 Billion Connected "Things" Will Be in Use in 2017, Up 31 Percent From 2016", Gartner, Feb. 2017  
 3: 2017 Security Priorities, survey of Chief Security Officers, IDG, 2017  
 4: Open Your Analytics Architecture To Keep Up With The Speed Of Business, Forrester and HPE, Aug. 2016