

# INTRODUCTION TO BIG DATA

ECAP456

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# Learning Outcomes



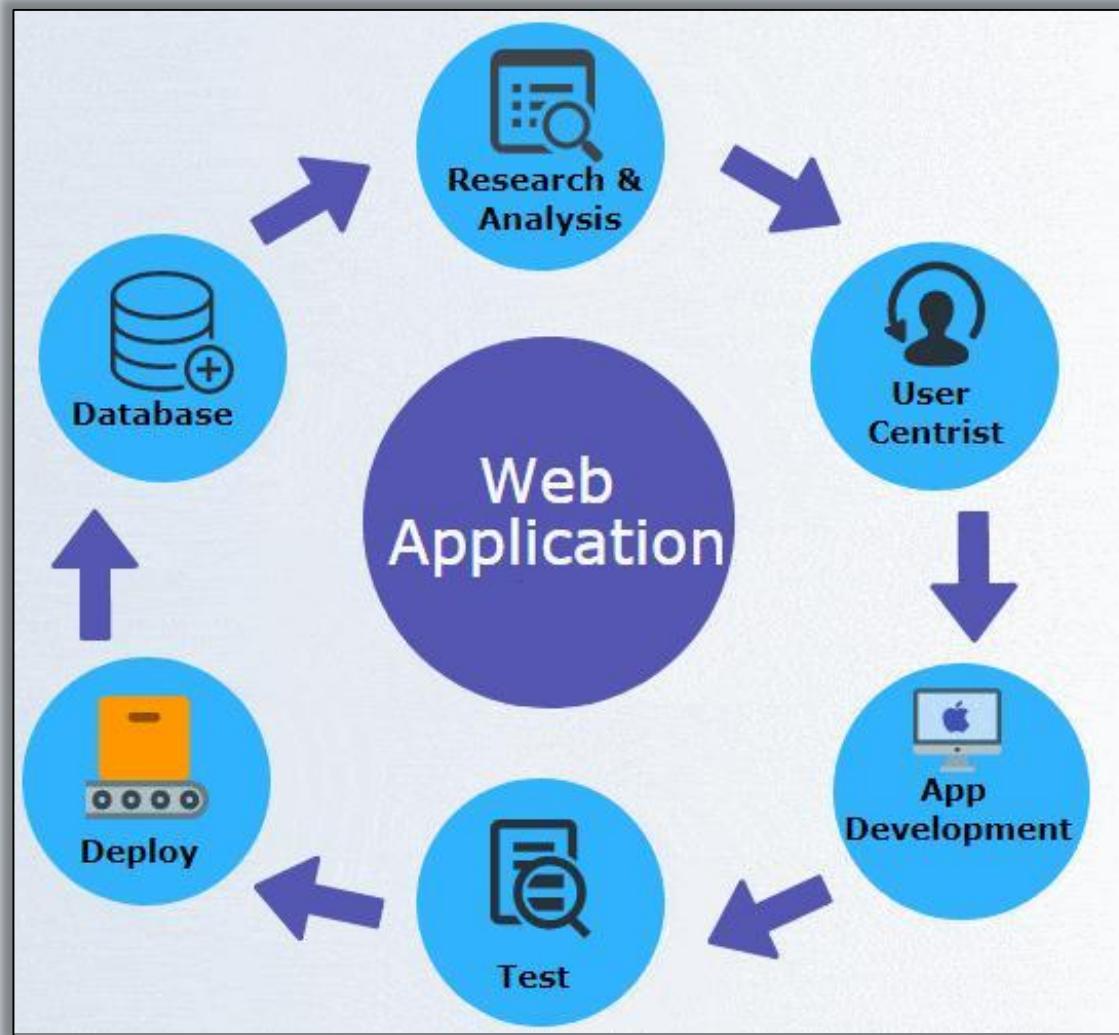
After this lecture, you will be able to

- explore concepts of SPLUNK,
- learn features of Splunk,
- understand Interfaces and data ingestion.

# Introduction

splunk >

# Introduction



# Introduction



Sensors

# Introduction

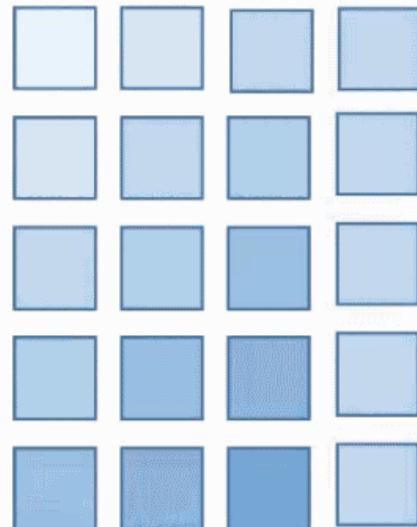


Data

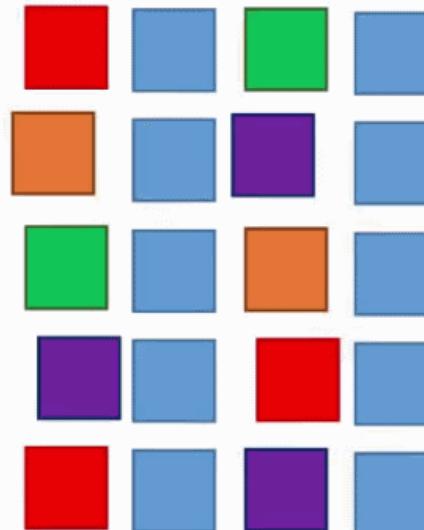


IT Infrastructure

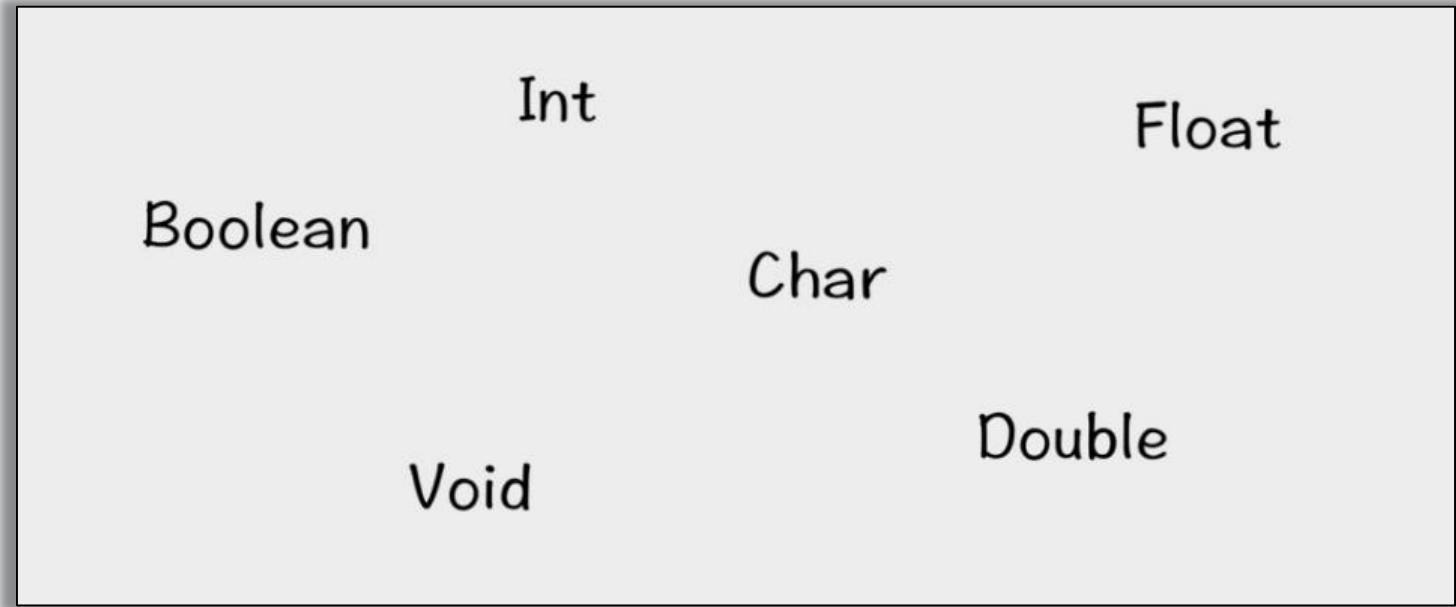
## Structured Data



## Semi-Structured



# Introduction



Built-in feature to  
recognize data types

# Introduction



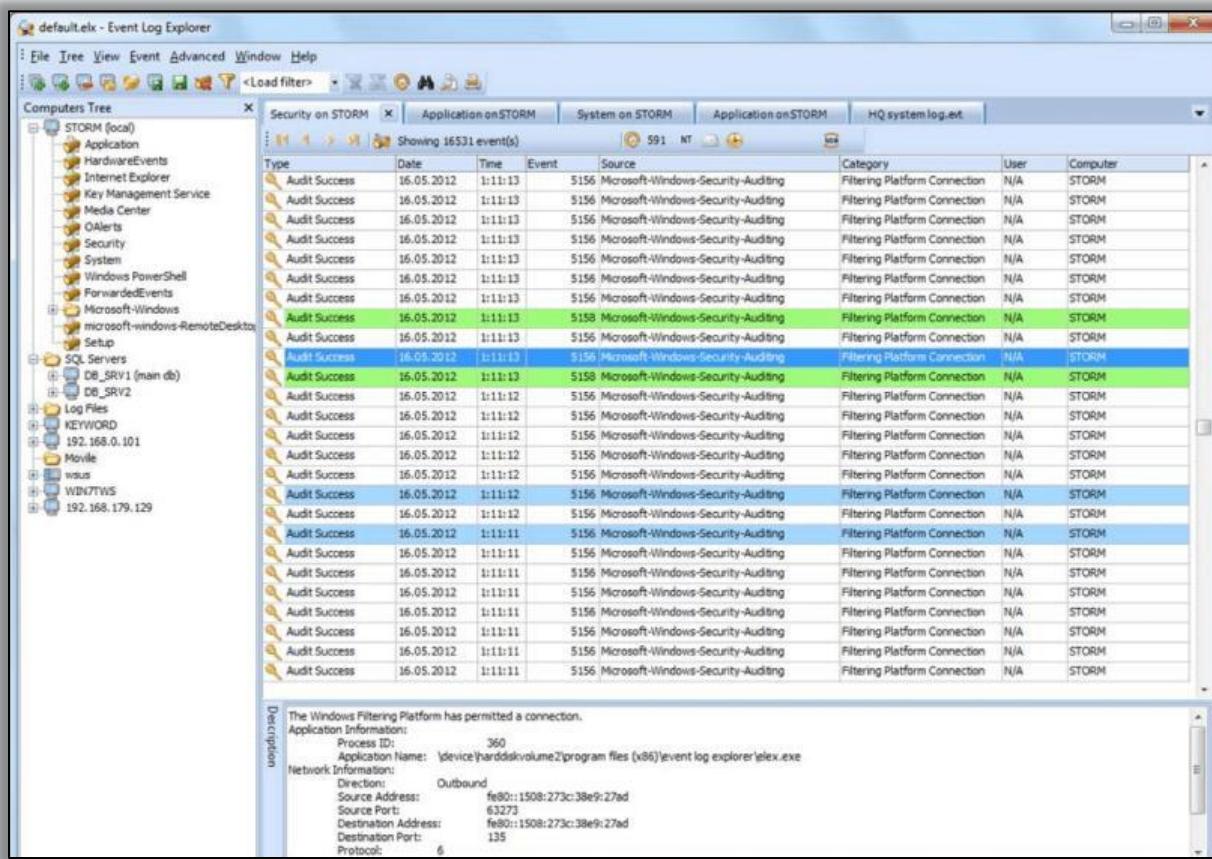
Data Visualization

# Prerequisites



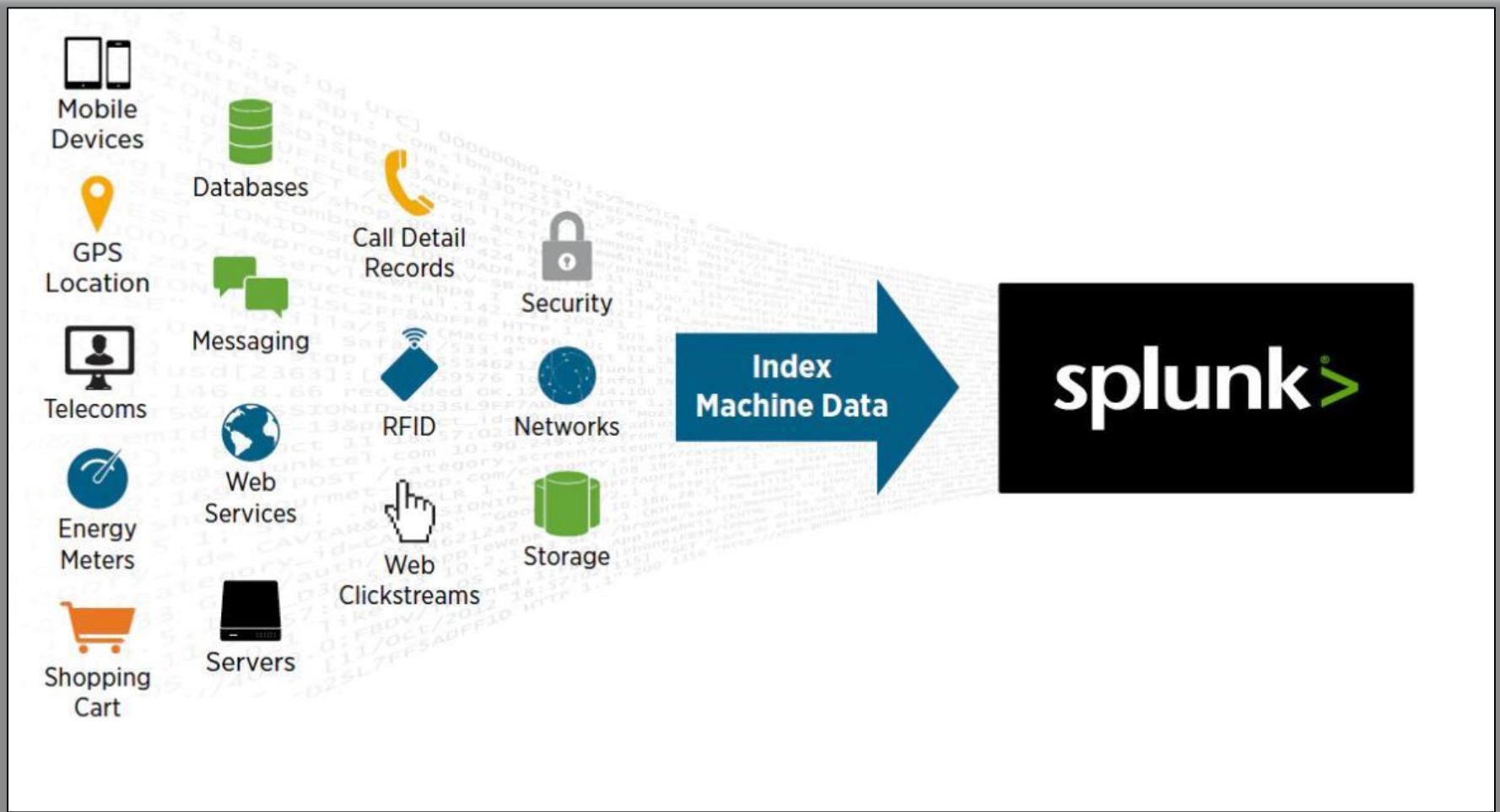
Structured Query  
Language

# Prerequisites



Log

# Prerequisites



# Prerequisites



Splunk can read this unstructured, semi-structured  
or rarely structured data

# Prerequisites



search, tag, create reports and dashboards on these data.

# Prerequisites

The screenshot shows the Splunk Enterprise interface. At the top is a dark navigation bar with icons for 'Ad...', 'Messages', 'Settings', 'Activity', 'Help', and a search bar labeled 'Find'. Below this is a light-colored main area titled 'Explore Splunk Enterprise'. It features three main sections: 'Product Tours' (with a binoculars icon), 'Add Data' (with a server icon and a plus sign), and 'Splunk Apps' (with a square icon). The 'Add Data' section is highlighted with a green rounded rectangle. Below each section is a brief description.

**Product Tours**  
New to Splunk? Take a tour to help you on your way.

**Add Data**  
Add or forward data to Splunk Enterprise. Afterwards, you may extract fields.

**Splunk Apps**  
Apps and add-ons extend the capabilities of Splunk Enterprise.

General analytical tool for unstructured machine data and various forms of big data.

# Product Categories

Splunk is available in  
three different  
product categories

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Splunk Enterprise

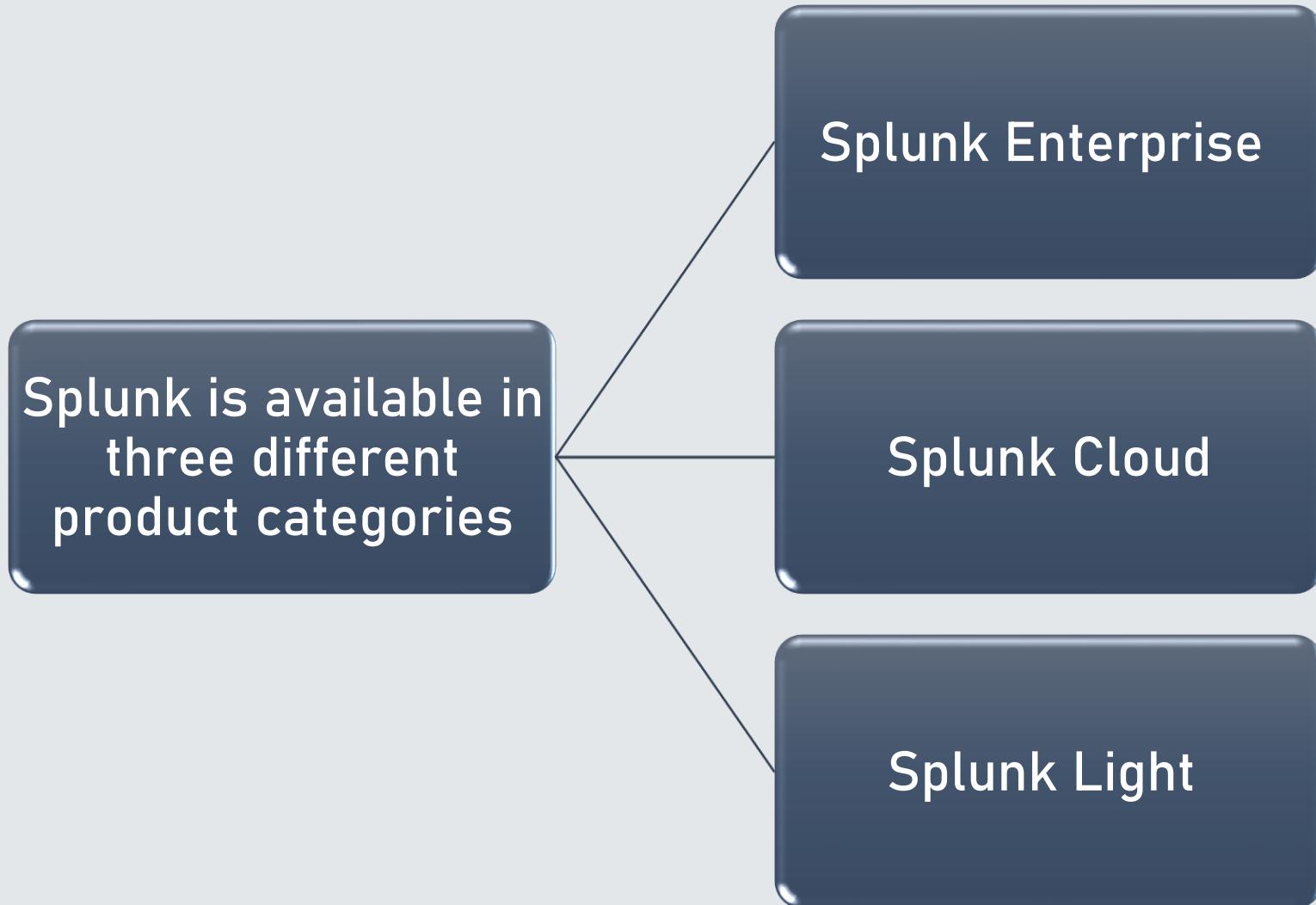
# Product Categories

Splunk is available in  
three different  
product categories

Splunk Enterprise

Splunk Cloud

# Product Categories



# Splunk Features



Data  
Ingestion



Data  
Indexing



Data  
Searching



Using  
Alerts



Dashboards      Data Model



# Splunk Interface



**That's all for now...**