ELK Stack Deployment w/ Vagrant

Setting up a local
Search & Analyzation Platform

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Agenda

1. ELK Stack in General
2. Vagrant Deployment Strategy
3. Hands on: Demo
4. Q&A

ELK Stack in General

http://www.lifeofpix.com/gallery/tools-3/

ELK Stack in General

Elasticsearch:

- distributed RESTful search and analytics server
- document-oriented & schema-less
- fault tolerant

Logstash:

- log data collecting, aggregating and outputting server
- compatible to lots of data generators & stores

Kibana:

- elasticsearch data visualization web frontend

Vagrant Deployment Strategy

Vagrant Deployment Strategy

- 3-Nodes Elasticsearch cluster
- Logstash sends system log data to Elasticsearch
- Kibana visualizes Elasticsearch documents

1. Download puppetlabs/debian-7.8-64-nocm image
2. Create VirtualBox VMs
3. Installation of basic OS packages & SaltStack
4. Fully automated software installation with SaltStack


Hands on: Demo


Q&A

Thank You!

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