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

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

- 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
Thank You!

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