

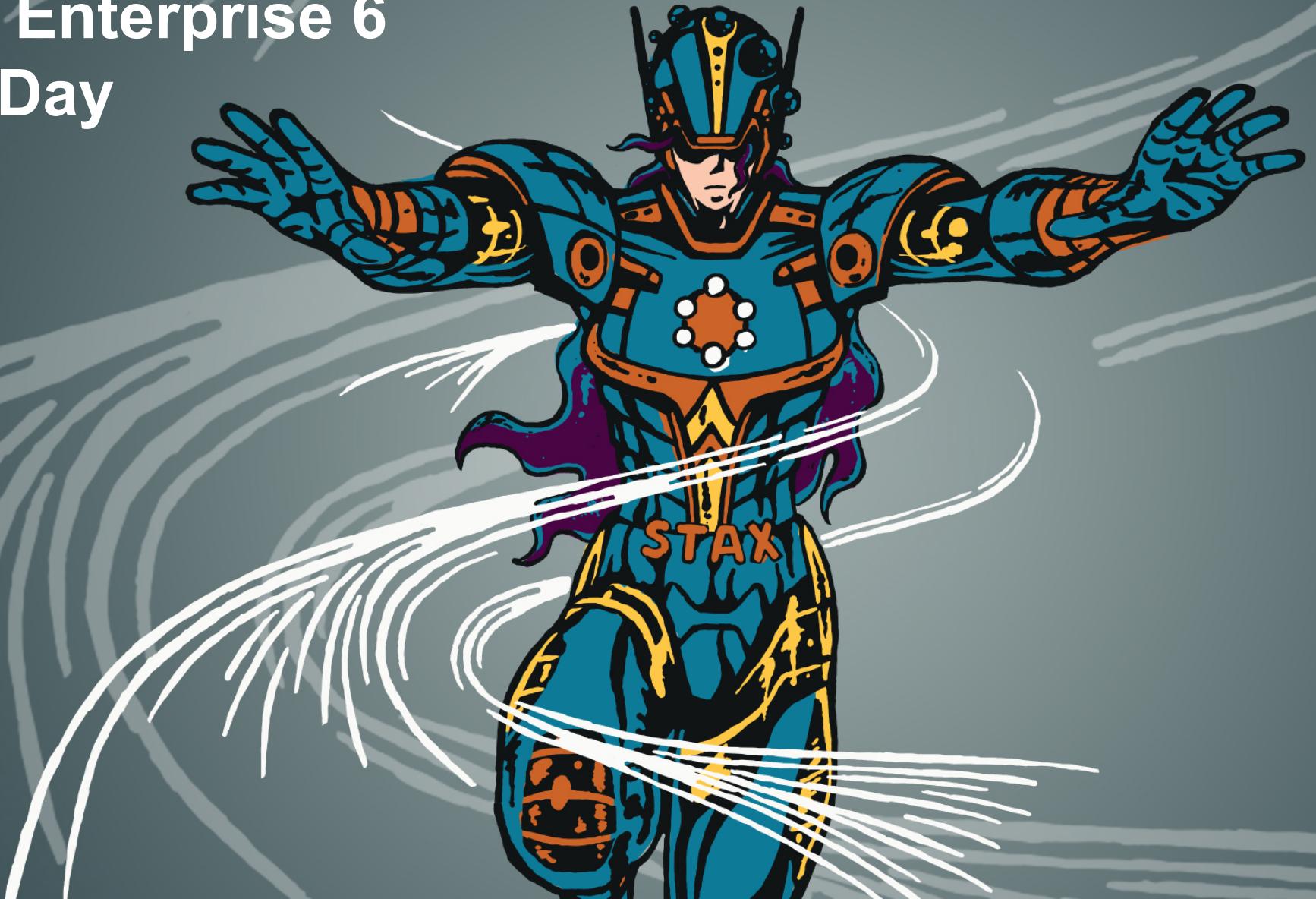
# DataStax Enterprise 6 Solution Day

Frankfurt, 19. Juni 2018

Melden Sie sich an und erfahren Sie alles über  
DataStax Enterprise 6, Apache Cassandra™,  
Apache Spark™ und Apache TinkerPop™.  
Use Cases, Datenmodelle, Live Demos u. v. m.



# DataStax Enterprise 6 Solution Day



# Agenda

## DataStax Enterprise 6 Solution Day

### -Agenda-

19. Juni in Frankfurt

8:00 - 9:00 Uhr	Registrierung
9:00 - 10:00 Uhr	Begrüßung - Product Overview and Use Cases Overview of all DataStax Enterprise solutions with news introduced in DSE6
10:00 - 10:30 Uhr	<b>Lab 1: Accessing the environment</b> Hands-on-Übungen. Install product if you can or connect to existing cluster in RightScale
10:30 - 10:45 Uhr	<b>PAUSE</b>
10:45 - 12:00 Uhr	<b>Core Cassandra</b> Cassandra characteristics, Vocabulary, Architecture, Consistency, Use Cases
12:00 - 13:00 Uhr	<b>MITTAGSPAUSE</b>
13:00 - 13:30 Uhr	<b>Lab 2: Hands On Cassandra (CQL, DataModel)</b> Hands-on-Übungen. Discovering CQL and Data Models Basics
13:30 - 14:30 Uhr	<b>Introducing DSE Search and DSE Analytics</b> Extension of Cassandra, indexation, IOT use Casesm SQL and always on
14:30 - 15:30 Uhr	<b>Lab 3 &amp; 4: Hands On Search and Analytics</b> Hands-on-Übungen. Discovering CQL and Data Models Basics
15:30 - 15:45 Uhr	<b>PAUSE</b>
15:45 - 16:15 Uhr	<b>Introducing DataStax Enterprise Graph</b>
16:15 - 16:45 Uhr	<b>Labs 5 on DSE Graph</b> Hands-on-Übungen. Discovering CQL and Data Models Basics
16:45 - 17:15 Uhr	<b>Building your applications with DataStax Enterprise</b> Building your applications, Killrvideo, Drivers
17:15 - 18:00 Uhr	<b>AUSKLANG MIT APÉRO UND NETWORKING</b>

# DataStax Managed Cloud

White glove Management service

# Introducing DataStax Managed Cloud

## *A Fully Managed, Secure Architecture*

- DSE on AWS for production workloads
- 24x7x365 coverage, lights-out management
  - by the engineering and support experts at managing to scale
- Optimized for your apps
- Architecture advisory services, guidance, and best practices



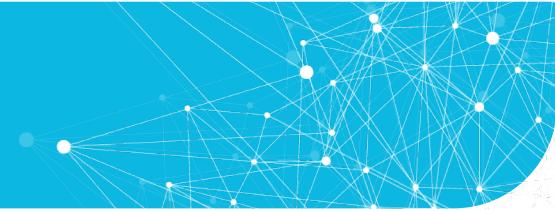
# Onboarding



*Ramping you up for take-off*

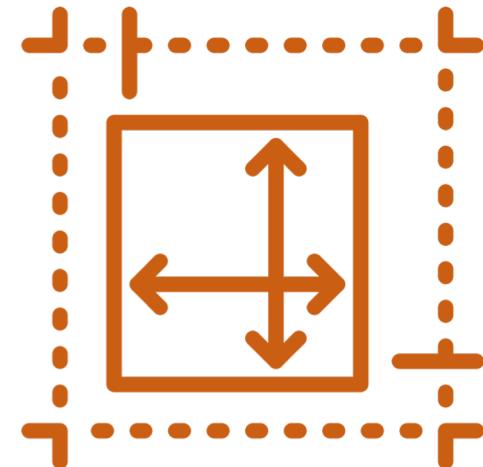
- DataStax Solution Architect
  - Orients you to the cloud console and platform
  - Reviews your apps for platform, data model, and access patterns
- Cluster
  - Tested and sized for right instances
  - Production provisioned
  - Alerting configured

# Provisioning



## *Custom Fit*

- Provisioning into your VPC
  - Environment setup, installation, and configuration
- Production
  - Best-practices blueprints
  - Configured for optimal performance
  - Tuned to your apps, lifecycle-managed
- Non-production (optional)
  - Ad-hoc, provisioning by end-user and lifecycle management via console or API



# Cloud Console



*Your ‘home base’ to view your cluster*

- View cluster metrics and logs
- Easily submit a ticket on specific cluster
- Console integrates with your systems via RESTful AP

The screenshot displays the DataStax Cloud Console interface. At the top, there's a navigation bar with tabs: CLUSTER (which is selected), CLONE, BACKUP/RESTORE, LOGS, HEALTH, and DESTROY!. Below the navigation bar, the main area is divided into two sections: "Cassandra Cluster Information" and "Enter customer information".

**Cassandra Cluster Information:**

Cassandra Cluster Information	
Status	Cluster is up and running
Name	admin_customer-6
Nodes	10.10.10.10, 10.10.10.11, 10.10.10.12
Credentials	Show credentials
Last restored at	-
Last restored snapshot id	-
Maintenance Window	Saturday - 4AM-8AM UTC ⓘ
Scheduled backup	Sunday - 04:00AM UTC ⓘ
Version	Apache Cassandra v 2.1.3
Cassandra config	cassandra.yaml

**Enter customer information:**

You can use your own AWS account for setting up clusters  
[Click here to Add AWS Account details](#)

A dropdown menu is open under "Enter customer information", titled "Please select a region". It lists the following regions:

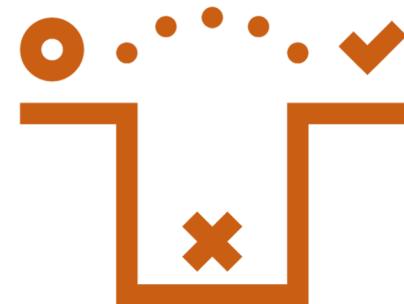
- ✓ US East (N. Virginia)
- US West (N. California)
- US West (Oregon)
- EU (Ireland)
- Asia Pacific (Tokyo)
- Asia Pacific (Singapore)
- Asia Pacific (Sydney)

# Proactive intervention/alerting



## *Finding problems before they exist*

- Automated alerts against exceeded thresholds
  - Based on years of expertise
- Avoiding issues through
  - Automated fixes
  - Engineer action
- Fault-tolerance at multiple levels
  - Intervention still required for recovery
    - and handled for you
- Bursting included



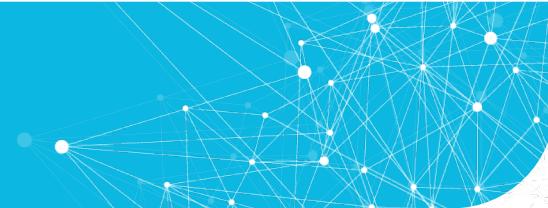
# Backups & restores

## *Restore with confidence*

- Protect against
  - Data loss due to application bugs
  - Operator error
- Backups moved to cloud object storage for easy recovery
- Scheduled restore exercises – and restore on request



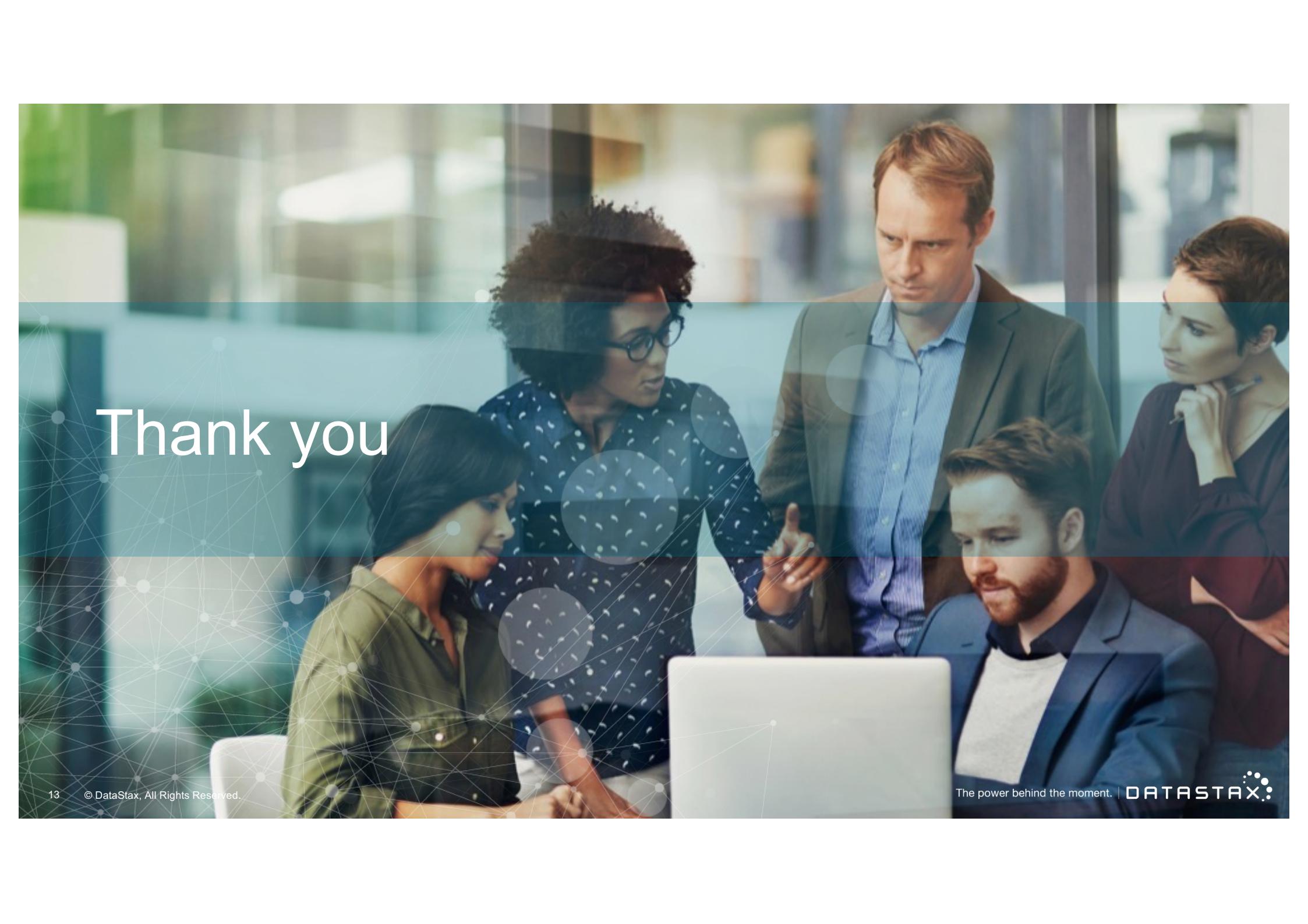
# Upgrades support/service requests



## *Easy upgrades*

- Aggressive bug fixes, if needed
  - Leveraging DataStax engineering for fast time to resolution
- The latest and greatest features
  - that fit your schedule





# Thank you