



## Azure Data Engineering Certification

Scan this QR-code to access **free resources, step-by-step learning guides** as well as get practical experience in **Azure Data!**

<https://aka.ms/AAbguhw>



Don't forget to add **Microsoft Azure as a skill** to your LinkedIn account to stay connected with a developer community!



We post the latest announcements about **free events for developers** in Ireland on our official Twitter account!

+ Microsoft Azure

@MSDevIRL



## Azure Data with Elkhan Yusubov

**How to upskill with Azure Data Engineering  
Certification**

 **17 Mar 2021**

**Getting started with Data Transformation Services  
in Azure**

 **24 Mar 2021**

 **18:00 (UTC)**



[www.cloudlunchlearn.com](http://www.cloudlunchlearn.com)

*In collaboration with*



**Microsoft**

# T-REX



**Elkhan Yusubov**  
Principal Cloud Architect  
T-Rex Solutions



Elkhan is a principal cloud architect and 14 times MSFT MCT with experience in cloud solutions, enterprise healthcare systems and healthcare data, and API standards (HL7 FHIR, EDI X12).

He is an active MCT, Senior member of Microsoft Tech Community, Contributor and Azure SME (Architecture, DevOps, Security).

He is a frequent speaker at tech meetups and has volunteered for Give Camps, Azure Data Fest, SQL Saturday and Global Azure events.

**The Cloud Marathoner** - [www.thecloudmarathoner.com](http://www.thecloudmarathoner.com)

# Company Snapshot: T- Rex Is...

- ▶ **An Innovative NGIT Provider:** a leading solutions provider of innovative and modernizing Next Generation IT capabilities and enabling skills to the federal government
- ▶ **A first to market in migrating large federal mission applications and data into a citizen-facing public cloud**

- ▶ **A Prime Contractor on 2020 Census,** one of the largest (scale) and most complex mission critical cloud/cyber/data analytics integration projects within the federal government

Concurrent Web Respondents (Peak)  
**600,000+**

Mobile Census Enumerators  
**500,000+**

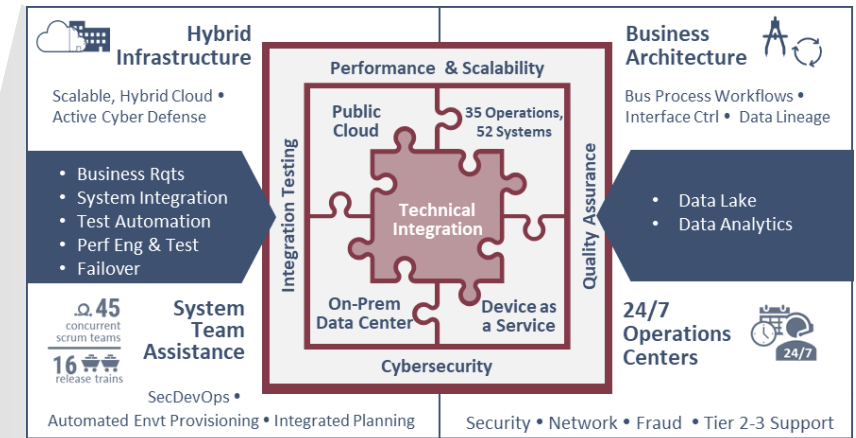
Regional & Local Census Offices  
**254** / **20K** Workers

Business Systems  
**52**

Application Components  
**285+**

- ▶ **Integrated 52 mission-critical systems comprised of 200+ applications** operating in a hybrid hyper-converged data center and public facing GovCloud protected by a world class active cyber defense (ACD) solution. Also includes a VDI-based Office 365 solution supporting 40k+ users and MS Azure AD managing 350k+ mobile users

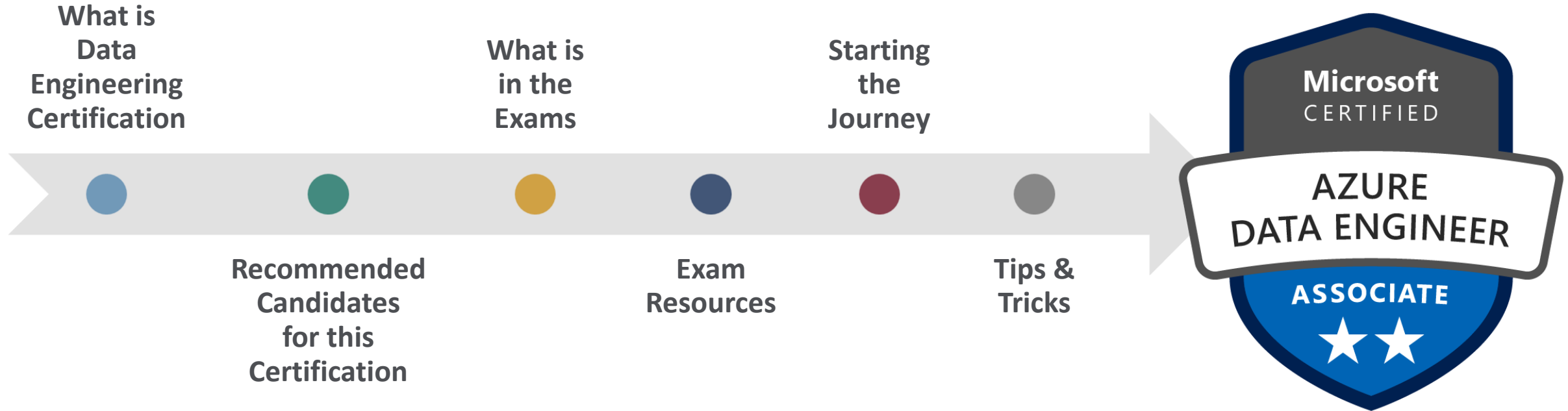
## US Census 2020 Technical Integrator



## Achievements & Partnerships



# What we will cover



## What we will not cover



Exam questions



Proprietary materials from exam or MOC



Exam rumors



Preview features

# Overview of Data roles



Data Engineer



Business Analyst



Data Analyst



Data Scientist



Database  
Administrator

# What is Azure Data Engineering certification ?

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What is Data Engineer role?



What are the levels of Data Engineering certification?



Who should start with DP-900?



# Data Engineer – responsibilities

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Workload  
environments



Tools



Data pipelines



Data  
management



Security

# Modern data types

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STRUCTURED DATA



UNSTRUCTURED DATA



SEMI-STRUCTURED DATA

# Recommended candidates for the certification ?

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PROVISIONING DATA  
STORAGE SERVICES



INGESTING STREAMING  
AND BATCH DATA AND  
TRANSFORMING DATA



IMPLEMENTING SECURITY  
REQUIREMENTS AND DATA  
RETENTION POLICIES



IDENTIFYING  
PERFORMANCE  
BOTTLENECKS

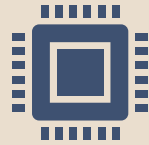


ACCESSING EXTERNAL  
DATA SOURCES

# What is in the exam DP-200?



Implement data storage solutions  
(40-45%)



Manage and develop data  
processing (25-30%)

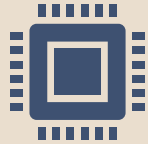


Monitor and optimize data solutions  
(30-35%)

# What is in the exam DP-201?



Design Azure data storage solutions  
(40-45%)



Design data processing solutions  
(25-30%)



Design for data security and  
compliance (25-30%)

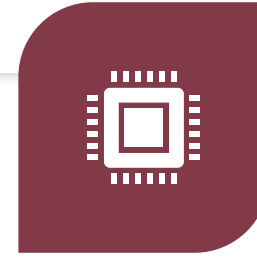
# Exam Resources



OFFICIAL EXAM WEBSITE  
AND [EXAM OBJECTIVES](#)



MICROSOFT LEARN MODULES  
FOR [AZURE DATA ENGINEER](#)



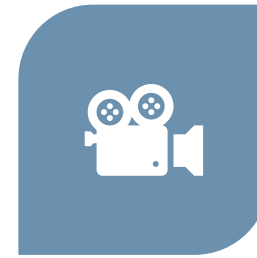
MICROSOFT DOCUMENTATION  
RESOURCES: [ELYUSUBOV/DP-200-REFERENCES](#)



MICROSOFT LEARN  
LABS: [ELYUSUBOV/DP-200-REFERENCES](#)



A CLOUD GURU RESOURCE  
FOR [DP-200](#) EXAM

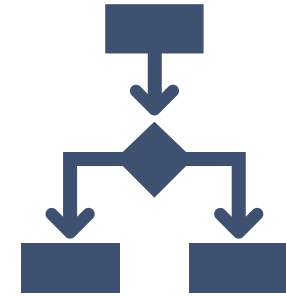


PLURALSIGHT VIDEO TRAINING  
ON AZURE [DP-200](#)

I'm in,  
how to  
start the  
journey?



Measuring your skills with  
Pluralsight IQ



Register for the exam(s)

## Build expertise in Azure

Continue learning [View all >](#)



**Implementing a Relational Database in Microsoft Azure SQL Database**  
Reza Salehi · Intermediate  
19m of 2h 54m



**Developing AI Models in Microsoft Azure**  
Sahil Malik · Intermediate  
1h 7m of 1h 31m



**Incident Response and Remediation in Microsoft Azure**  
Ammar Hasayen · Advanced  
5m of 2h 11m



**Securing the Application Lifecycle in Microsoft Azure**  
Reza Salehi · Advanced  
1m of 1h 25m



**Choosing the Appropriate Microsoft Azure Services and Features**  
James Bannan · Beginner  
30m of 2h 0m



**Designing Machine Learning Solutions on Microsoft Azure**  
David Tucker · Intermediate  
1m of 1h 42m

Role IQ [View all >](#)



Microsoft Azure Administrator



Microsoft Azure Developer

Microsoft A



### Building Data Pipelines in Microsoft Azure

Add to channel

Give Feedback

In a world increasingly dominated by data, it's more important than ever for data engineers and scientists to build data pipeline solutions that can support both traditional data warehouses and today's machine learning and AI solutions.

This path covers everything you need to know about building reliable, fast, and cost-effective data pipelines in Microsoft Azure so

Already know some Building Data Pipelines in Microsoft Azure? Find out where to start. [?](#)

Expert  
92nd percentile

What's your Building Data Pipelines in IQ?

Skill IQs

Retake available



Building Data Storage Solutions with Microsoft...

**PROFICIENT 150**  
50th percentile

VERIFIED 8.29.2020

Retake available



Developing Microsoft Azure AI Solutions

**EXPERT 212**  
85th percentile

VERIFIED 8.16.2020

Retake available



Managing Security Operations in Microsoft...

**PROFICIENT 168**  
62nd percentile

VERIFIED 7.11.2020

Retake available



Securing Data and Applications in Microsoft...

**EXPERT 210**  
84th percentile

VERIFIED 7.11.2020

Retake available



Configuring Identity and Access in Microsoft Azure

**EXPERT 232**  
92nd percentile

VERIFIED 7.11.2020

Retake available



Enabling Platform Protection in Microsoft...

**EXPERT 234**  
92nd percentile

VERIFIED 7.5.2020



Add more skills to your profile



# Tips & Tricks: Getting ready for the exam day

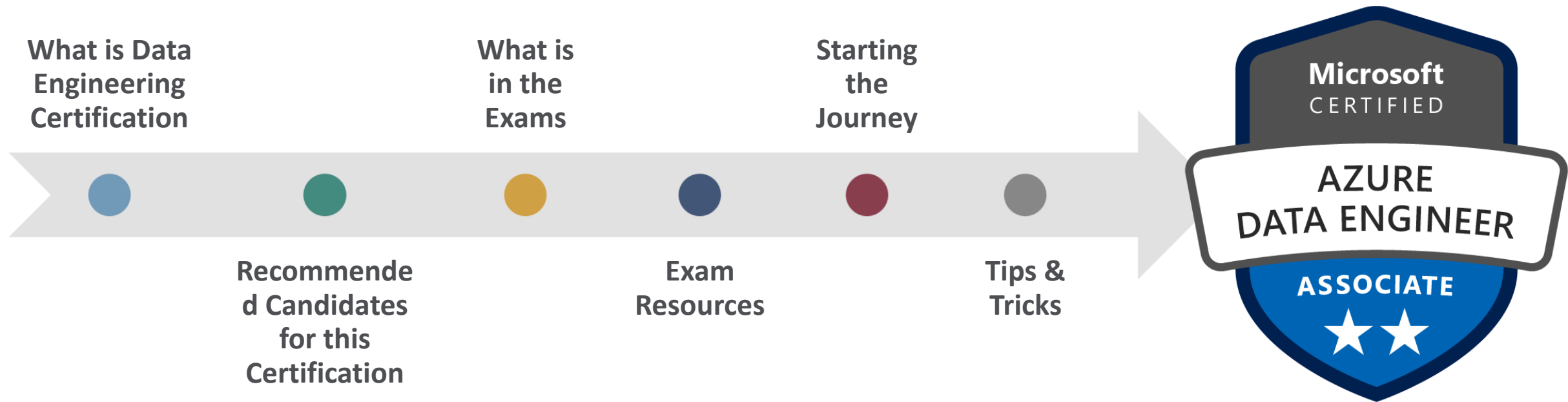
- Proctored exam
- Exam room environment
- Getting laptop ready
- Running tests
- Installing updates, think twice?
- Plan to contact Pearson Vue

Let's test what  
we learned

Let's Kahoot together!!



# What we have covered



T-FREX

Q & A



**Elkhan Yusubov**  
Principal Cloud Architect  
T-Rex Solutions

 @ElYusubov

 ElkhanYusubov

 ElYusubov



# How to up-skill with Azure Data Engineering certification?

All you need to know to get ready for your upskilling journey





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