

Elastic's Suggested Product Training Matrix

Purpose

Elastic put together this list of product training and webinars for the System Integrators to get started. ECS came up with a set of roles and mapped these roles to suggested training and webinar topics.

General Roles

The roles and descriptions below are general in nature.

Application Engineer:

This role supports and administers the software applications and tools that collect, communicate, and integrate CDM data. This role is the SME for the tools and sensors products used to collect the data.

Network/ Systems Engineer:

This role administers the production and sandbox environments to support the development, deployment and, operation of agency CDM solutions.

Solution Engineer:

This role supports the CDM solution and the tailoring of standard cyber capabilities to align with the customer’s unique needs and environmental constraints. This is role is the SME for Kibana

Data Management Analyst – Integration Engineer:

This role supports the CDM Data Target and Index life cycle management to include quality, required attributes, integration, and accuracy.

			Application Engineer	Network/ Systems Engineer	Solution Delivery Engineer	Integration Engineer
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Step 1: What is Elastic?						
	Elastic is a Search Company: Link to 5-minute video					
	Elastic (ELK) Stack: https://www.elastic.co/products/elastic-stack					
	Elastic Stack Features: https://www.elastic.co/products/elastic-stack/features					
	Elastic Support Matrix/Supported Browsers: https://www.elastic.co/support/matrix#matrix_browsers					
Step 2: 101 Dive into Elastic Stack						
	Getting started with Elasticsearch webinar - https://www.elastic.co/webinars/getting-started-elasticsearch		X	X	X	X
	Deploy the stack on your local machine - https://www.elastic.co/guide/en/elastic-stack-get-started/current/get-started-elastic-stack.html		X	X	X	

Step 3: Deploying Elastic for CDM - Elastic Cloud Enterprise						
	Pre-Reqs: Knowledge of the platform (Azure Cloud, AWS, etc.) where you will be deploying ECE					
	3.1 Deploying ECE					
		ECE 101 - https://www.elastic.co/webinars/elastic-cloud-enterprise-launch-demo	X	X		
		* ECE Fundamentals - https://www.elastic.co/training/specializations/elastic-stack-management/ece-fundamentals	X	X		
		* Installing and Scaling ECE - https://www.elastic.co/training/specializations/elastic-stack-management/installing-and-scaling-ece	X	X		
		What's new in ECE 2.2 - https://www.elastic.co/webinars/new-in-elastic-cloud-enterprise-ece-2.2-cross-cluster-search-ui-rbac-and-more				

	3.2 Sizing a cluster to deploy to agency or department					
		Sizing a Cluster - https://www.elastic.co/webinars/elasticsearch-sizing-and-capacity-planning	X	X		
		* Custom training (TBD)				
	3.3 Securing a cluster - RBAC, integrate with LDAP, AD, SAML					
		* Fundamentals of Securing Elasticsearch - https://www.elastic.co/training/specializations/elastic-stack-management/fundamentals-of-securing-elasticsearch	X	X		
		* Advanced Techniques for Securing Elasticsearch - https://www.elastic.co/training/specializations/elastic-stack-management/advanced-techniques-for-securing-elasticsearch	X	X		
Step 4: Data Management						
	4.1 Ingesting data					
		Ingesting Data into Elasticsearch Part I https://www.elastic.co/webinars/ingesting-data-into-elasticsearch-part-1	X	X		X

		Ingesting Data into Elasticsearch Part II - https://www.elastic.co/webinars/ingest-data-into-elasticsearch-part-2	X	X		X
	Note from ECS: We don't see a strong beat use case right now since the data sources are currently Splunk, Informatica, and Red Hat Fuse.	* Logging Fundamentals (Beats and Ingest Pipelines) - https://www.elastic.co/training/specializations/logging/logging-fundamentals				
		*Shipping Log Data (Beats) - https://www.elastic.co/training/specializations/logging/shipping-log-data				
		* Structuring Log Data (Intro to Logstash, grok) - https://www.elastic.co/training/specializations/logging/structuring-log-data				
		*Log Pipeline Workflows (Ingest Pipeline) - https://www.elastic.co/training/specializations/logging/log-pipeline-workflows				
	4.2 Data lifecycle management - Configuring indices, permissions, ILM					
		* Elastic II Engineering				
		https://www.elastic.co/webinars/elasticsearch-index-lifecycle-management	X			X
		https://www.elastic.co/webinars/managing-your-elasticsearch-data-lifecycle	X			X
		https://www.elastic.co/webinars/index-lifecycle-management-for-time-series-data-in-elasticsearch	X			X

		https://www.elastic.co/webinars/optimizing-storage-efficiency-in-elasticsearch		X		
5. Build ing Dash boar ds						
	5.1 *Kibana Fundamentals - Spaces, RBAC					
		https://www.elastic.co/training/kibana-data-analyst			X	X
		https://training.elastic.co/instructor-led-training/kibana-data-and-ops-analyst-virtual				
	5.2 How to create visualizations					
		https://www.elastic.co/webinars/building-effective-dashboards-with-kibana-and-elasticsearch https://www.elastic.co/webinars/creating-kibana-dashboards			X	
		https://www.elastic.co/webinars/modern-data-visualization-with-canvas			X	
		https://www.elastic.co/webinars/vega-plugin-custom-visualizations-with-kibana			X	
	5.3 How to search					
		* Elastic I Engineering				
		https://www.elastic.co/webinars/elasticsearch-query-dsl	X		X	X

		Summary: Reviews basics of Elastic search syntax i.e. query vs. filter searches			x	
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