4: Production and Performance

***Section Description (from the outline):*** Describe what this section intends to cover- decided during outline discussion.

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| **Metadata**: Spot the problem, highlight it, and design the solution in 3 core steps  (To be covered in the video) |

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| **Video Number** | **Video Title** | **Problem / Solution (Not more than 50 words)** | **Step 1 (Not more than 10 words)** | **Step 2(Not more than 10 words)** | **Step 3(Not more than 10 words)** |
| 4.1 | Setting up Production Cluster 1 | Setting up a production ready cluster in ElasticSearch is the most often overlooked challenge to learning ElasticSearch. Configurations aside, understanding where to start relative to your needs can be an enormous task. | Focus on nodes in an ElasticSearch cluster | Learn the importance of dedicated data and master nodes | See an example of beginning infrastructure requirements for production cluster |

Metadata for Section 4

Section Description (from the outline): Here we dive requirements for setting up a production cluster

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| **Metadata**: Spot the problem, highlight it, and design the solution in 3 core steps  (To be covered in the video) |

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| **Video Number** | **Video Title** | **Problem / Solution (Not more than 50 words)** | **Step 1 (Not more than 10 words)** | **Step 2(Not more than 10 words)** | **Step 3(Not more than 10 words)** |
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| 4.2 | Setting up Production Cluster 2 | Proper settings in ElasticSearch can help to void split-brain or ping timeouts. | Learn about the key production settings in ElasticSearch | Understand split brain and how to avoid it | Gain knowledge of ping\_timeout setting and when to adjust it |
| 4.3 | Setting up Production Cluster 3 | Unbeknownst to many newbies, some configurations must be made to ensure that your cluster is successfully running in production. | Learn the five configuration settings necessary in production | Get a detailed understanding of each | View applicable examples |