### **Story 1: Implement ILM Policies**

Description: As a system administrator, I want to implement ILM policies to efficiently manage the lifecycle of indices in our Elasticsearch cluster.

Acceptance Criteria:

* ILM policies for each index are clearly defined and documented.
* Policies are implemented without errors or data loss.
* System documentation is updated to reflect the new ILM policies.
* The team is trained on the new ILM policies and how to modify them if necessary.

### **Story 2: Develop Live Dashboard**

Description: As a data analyst, I want a live dashboard that visualizes the data in our Elasticsearch cluster in real-time.

Acceptance Criteria:

* The dashboard connects to the Elasticsearch cluster without issues.
* Data visualized on the dashboard updates in real-time.
* Users can customize the dashboard to display the data they need.
* The dashboard is user-friendly and intuitive.

### **Story 3: Send CSV Data to Kibana**

Description: As a data engineer, I need a mechanism to send CSV data files to Kibana for visualization purposes.

Acceptance Criteria:

* The system accepts CSV files without errors.
* Data from the CSV files is accurately represented in Kibana.
* There is a mechanism to handle errors and retries in case of failure.
* The process is documented for future reference.

### **Story 4: Create Kibana Dashboard**

Description: As a data analyst, I want to create a Kibana dashboard that visualizes the data sent from the CSV files.

Acceptance Criteria:

* The dashboard accurately represents the data from the CSV files.
* Users can interact with the dashboard to drill down into specific data points.
* The dashboard is shareable with other team members.
* Documentation is provided on how to use and interpret the dashboard.

### **Story 5: Alert Team of Missing Configuration**

Description: As a system administrator, I want to receive alerts when there is a missing configuration in our system to prevent data loss and system downtime.

Acceptance Criteria:

* Alerts are triggered when a configuration is missing.
* The alert message is clear and provides information on the missing configuration.
* Alerts are sent to the designated team members via their preferred communication channels.
* The alert system is tested to ensure reliability and accuracy.

### **Story 6: Implement Boot Scripts**

Description: As a system administrator, I want to have boot scripts for Kibana, Elasticsearch, and APM to ensure that these services start correctly upon system startup.

Acceptance Criteria:

* Boot scripts for Kibana, Elasticsearch, and APM are created and tested.
* Scripts should start the services automatically upon system boot.
* Scripts should handle service failures gracefully and attempt restarts.
* Documentation for the boot scripts is provided, including how to modify and troubleshoot them.

### **Story 7: Implement Backup Mechanism**

Description: As a system administrator, I want to have a backup mechanism in place for our Elasticsearch data and configuration files to prevent data loss.

Acceptance Criteria:

* A backup script is created and tested to ensure it backs up all necessary data and configuration files.
* The backup script should be scheduled via crontab to run at a specified frequency.
* Backup files should be stored in a secure and accessible location.
* Documentation for the backup mechanism is provided, including how to restore from backup.

Please review these enhanced stories and let me know if you need any modifications or if you have additional details to add to each story. Once you confirm, you can then create these stories in your Jira system.