**Documentation: Azure AD Secrets Expiration Report Script**

**Overview**

This PowerShell script generates an HTML report listing Azure AD application secrets that are set to expire soon. It highlights secrets expiring within the next 7 days and sorts them by their expiration date from newest to oldest. The report includes a timestamp indicating when it was generated.

**Features**

* Retrieves secrets from Azure AD applications.
* Filters secrets based on expiration within the next 30 days.
* Highlights secrets expiring within the next 7 days with a red background.
* Sorts secrets by expiration date from newest to oldest.
* Includes a timestamp indicating the report generation date and time.
* Generates an HTML file with the report.

**Script Parameters**

* **$LimitExpirationDays**: Number of days within which secrets are considered for the report. Default is 30 days.
* **$HighlightDays**: Number of days from the current date to highlight secrets expiring soon. Default is 7 days.

**Steps**

1. **Retrieve Secrets**:
   * Fetch all Azure AD applications.
   * Collect both password and key credentials for each application.
   * Filter credentials that expire within the next 30 days.
2. **Sort and Highlight**:
   * Sort the filtered secrets by expiration date from newest to oldest.
   * Determine the date range for highlighting (next 7 days from the current date).
   * Highlight secrets expiring within this range with a red background in the report.
3. **Generate Report**:
   * Create an HTML file with a table listing the secrets.
   * Include a timestamp indicating when the report was generated.
   * Save the HTML file with a timestamped filename.

**Script Usage**

1. **Run the Script**: Execute the script in a PowerShell environment where Azure AD PowerShell modules are installed and authenticated.
2. **Review the Output**: The script generates an HTML file named SecretsExpirationReport\_<timestamp>.html in the script's working directory.
3. **View the Report**: Open the HTML file in a web browser to view the list of secrets and their expiration details.

**Example Output**

* **Filename**: SecretsExpirationReport\_20240909-150000.html
* **Content**: An HTML table displaying secrets with columns for Application Name, Object ID, App ID, Type, Key Identifier, and Expiration Date. Secrets expiring in the next 7 days are highlighted in red.

**Dependencies**

* AzureAD PowerShell module (AzureAD).
* Proper authentication and permissions to access Azure AD applications and their credentials.

**Notes**

* Adjust $LimitExpirationDays and $HighlightDays as needed for different reporting periods.
* Ensure you have the necessary permissions to access and read Azure AD secrets.