### Get Parser Factories

Get a list of parser factories.

#### HTTP Request

GET /api/sonar/parser-factories

Request using cURL

curl -H "Authorization: Bearer <API\_KEY>" \ https://HOSTNAME/api/sonar/parser-factories

#### Success Response

Below is an example of the parser factory list. The available parser types dynamically expand as you install a new app.

{ "groups": ["Syslog", "General", "Script", "SNMP", "File"], "factories": [ { "name": "cef", "display\_name": "CEF", "display\_group": "General", "description": "Parse CEF (Common Event Format) logs.", "options": [], "deprecated": false }, { "name": "csv", "display\_name": "CSV", "display\_group": "General", "description": "Divide a string into tokens based on the csv format and column names.", "options": [ { "type": "string", "subtype": null, "name": "use\_tab", "required": false, "display\_name": "Use tab", "description": "Use tab to delimiter. (true or false)", "default\_value": null }, { "type": "string", "subtype": null, "name": "use\_double\_quote", "required": false, "display\_name": "Double quote escape", "description": "Use double quote to escape. (true or false)", "default\_value": null }, { "type": "string", "subtype": null, "name": "column\_headers", "required": false, "display\_name": "Column headers", "description": "Column headers", "default\_value": null }, { "type": "string", "subtype": null, "name": "target\_field", "required": false, "display\_name": "Target field", "description": "Target field name", "default\_value": null }, { "type": "string", "subtype": null, "name": "include\_target", "required": false, "display\_name": "Include target", "description": "Return also target field (true or false)", "default\_value": null } ], "deprecated": false }, { "name": "json", "display\_name": "JSON", "display\_group": "General", "description": "Parse JSON format.", "options": [ { "type": "string", "subtype": null, "name": "target\_field", "required": false, "display\_name": "Target field", "description": "Target field name", "default\_value": null }, { "type": "string", "subtype": null, "name": "include\_target", "required": false, "display\_name": "Include target", "description": "Return also target field (true or false)", "default\_value": null } ], "deprecated": false }, { "name": "leef", "display\_name": "LEEF", "display\_group": "Syslog", "description": "Parse LEEF logs.", "options": [], "deprecated": false }, { "name": "welf", "display\_name": "WELF Format", "display\_group": "General", "description": "Parse WELF (WebTrends Enhanced Log Format) logs.", "options": [], "deprecated": false }, { "name": "delimiter", "display\_name": "Delimiter", "display\_group": "General", "description": "Divide a string into tokens based on the given delimiter and column names.", "options": [ { "type": "string", "subtype": null, "name": "delimiter", "required": true, "display\_name": "Delimiter", "description": "One delimiter character or 4-digit unicode escape sequence (e.g. \\u0007)", "default\_value": null }, { "type": "string", "subtype": null, "name": "column\_headers", "required": false, "display\_name": "Column headers", "description": "Separated by comma", "default\_value": null }, { "type": "string", "subtype": null, "name": "delimiter\_target", "required": false, "display\_name": "Delimiter target field", "description": "Delimiter target field name", "default\_value": null }, { "type": "string", "subtype": null, "name": "include\_delimiter\_target", "required": false, "display\_name": "Include delimiter target", "description": "Return also delimiter target field (true or false)", "default\_value": null } ], "deprecated": false }, { "name": "groovy", "display\_name": "Groovy", "display\_group": "Script", "description": "Groovy parser script", "options": [ { "type": "string", "subtype": null, "name": "script\_name", "required": true, "display\_name": "Script Name", "description": "Script file name except .groovy extension", "default\_value": null } ], "deprecated": false }, { "name": "regex", "display\_name": "Regular Expression", "display\_group": "General", "description": "Parse logs using regular expression.", "options": [ { "type": "string", "subtype": null, "name": "regex", "required": true, "display\_name": "Regex", "description": "Regular expression with placeholder.", "default\_value": null }, { "type": "string", "subtype": null, "name": "field", "required": false, "display\_name": "Target field", "description": "Parse target field. 'line' field by default.", "default\_value": null }, { "type": "string", "subtype": null, "name": "include\_original\_field", "required": false, "display\_name": "Include original field", "description": "Include original field", "default\_value": null } ], "deprecated": false }, { "name": "query", "display\_name": "Query based parser", "display\_group": "General", "description": "Parse logs using query.", "options": [ { "type": "string", "subtype": null, "name": "query", "required": true, "display\_name": "Query string", "description": "Query string for log parsing", "default\_value": null } ], "deprecated": false } ]}

* **groups** (Array): List of parser group names
* **factories** (Array): List of parser factories
* **name** (String): Parser factory name
* **display\_name** (String): Display name of the parser factory
* **display\_group** (String): Display group of parser factory
* **description** (String): Parser factory description
* **options** (Array): Option details
* **type** (String): Data type. one of the following: string, integer, boolean.
* **subtype** (String): Extension component type in the UI
* **name** (String): Configuration option key name
* **required** (Boolean): Whether the option is required or not
* **display\_name** (String): Display name in locale language
* **description** (String): Description in locale language
* **default\_value** (String): Default value to display on screen
* **deprecated** (Boolean): Whether to be deprecated or not. If a parser factory was set to "deprecated" in a previous version, it is only available with the existing settings and cannot be modified.