ATT&CK™ Navigator Layer File Format Definition

This document describes version 1.1 of the MITRE ATT&CK Navigator Layer file format. The ATT&CK Navigator stores layers as JSON, therefore this document defines the JSON properties in a layer file.

Property Table

Name	Type	Required?	Default Value (if not present)	Description
version	String	Yes	n/a	Must be "1.1"
name	String	Yes	n/a	The name of the layer
description	String	No	""	A free-form text field that describes the contents or intent of the layer
domain	String	Yes	n/a	Technology domain that this layer represents. Valid values are: `mitre-enterprise` `mitre-mobile`
filters	Filter object	No		See Filter object definition below
sorting	Number	No	0	Specifies the ordering of the techniques within each tactic category as follows: 0: sort ascending alphabetically by technique name 1: sort descending alphabetically by technique name 2: sort ascending by technique score 3: sort descending by technique score
viewMode	Number	No	0	Specifies the view mode for the layer as follows: 0: display the full table with tactic and technique names

Name	Type	Required?	Default Value (if not present)	Description
				1: display compact table with abbreviated tactic and technique names 2: display mini table with no text with the exception of tooltips
hideDisabled	Boolean	No	false	Specifies whether techniques that have been disabled are still displayed (greyed-out) or omitted from the view as follows: true: omit techniques marked as disabled from the view false: include disabled techniques in the view but display as greyed-out
techniques	Array of Technique objects	No		See definition of Technique object below.
gradient	Object	No	Red to Green, minValue=0, maxValue=100	

Filter Object Properties

Name	Type	Required?	Default Value (if not present)	Description
stages	Array of string	No	["act"]	Specifies the logical stages of the attack lifecycle to display. Valid choices are: prepare, act Array must contain at least one of these values.
platforms	Array of string	No	All platforms defined within domain	Specifies the platforms within the technology domain – only those techniques tagged with these platforms are to be

Name	Type	Required?	Default Value (if not present)	Description

				displayed. Valid values are as follows:
				
				`domain=mitre-enterprise:`
				`    windows, linux,`
				`    mac`
				
				`domain=mitre-mobile:`
				android, ios

Technique Object Properties

Name	Type	Required?	Default Value (if not present)	Description
`techniqueID`	String	Yes	n/a	Unique identifier of the ATT&CK technique, e.g. T####
`comment`	String	No	""	Free-text field
`enabled`	Boolean	No	`true`	Specifies if the technique is considered enabled or disabled in this layer
`score`	Number	No	(unscored)	Optional numeric score assigned to this technique in this layer. If omitted, the technique is consider to be "unscored" meaning that it will not be assigned a color from the gradient by the Navigator.
`color`	String	No	""	Explicit color value assigned to this technique in this layer. Note that explicitly defined color overrides any color implied by the score – the Navigator will display the technique using the explicitly defined color.

Gradient Object Properties

Name	Type	Required?	Default Value (if not present)	Description
colors	Array of string	Yes	n/a	Specifies the hexadecimal RGB color values that constitute the color spectrum in use. The array must contain at least two (2) values, corresponding to the minValue and maxValue scores.
minValue	Number	Yes	n/a	The lower bound score of the gradient.
maxValue	Number	Yes	n/a	The upper bound score of the gradient. Note: maxValue must be > minValue

Example

The following example illustrates the layer file format:

```
{
    "version": "1.1",
    "name": "example",
    "description": "hello, world",
    "domain": "mitre-enterprise"
    "filters": {
            "stages": [ "act" ],
            "platforms": [ "windows" ],
    },
    "sorting": 2,
    "techniques": [
        {
            "techniqueID": "T1156",
            "enabled": false,
            "comment": "disabled technique with a comment"
        },
        {
            "techniqueID": "T1015",
            "score": 50
        },
        {
            "techniqueID": "T1103",
            "color": "#FF00FF"
```

```
            },
        ],
    }
```