Packet Export API v1.3

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Resource: export

Configuration, status and statistics of an export.

http://{device}/api/npm.packet_export/1.3/exports/items/{+id}

JSON

```
{
 "config": {
  "connection_timeout_msec": integer,
  "end_time": string,
  "filters": {
   "items": filters_list
  },
  "handle_timeout_msec": integer,
  "mode": string,
  "output_filename": string,
  "output_format": string,
  "path": string,
  "snap_length": integer,
  "start_time": string,
  "stop_rule": {
   "packet_limit": integer,
   "size_limit": integer,
   "time_limit": integer
  },
  "time_intervals": [ time_interval_t ]
 },
 "id": string,
 "status": {
  "creation_time": string,
  "error": {
   "error_id": string,
   "error_metrics": async_error_metrics_list,
   "error_text": string
  },
  "owner": string,
  "progress": number,
  "state": string,
  "stats": {
   "dropped_packets": integer,
   "estimated_bytes": integer,
   "estimated_packets": integer,
   "exported_bytes": integer,
   "exported_packets": integer,
   "processed_packets": integer,
   "total_bytes": integer,
   "truncated": boolean
  }
 },
 <prop>: any
}
```

Property Name	Type	Description	Notes
export	*<object>*	Configuration, status and statistics of an export.	
export.config	*<object>*	Configuration of an export.	Required properties: [path]; Optional;
export.config.connection_timeout_msec	*<integer>*	Max period of time for which the handle waits for a user action (e.g starts to download the packets, set PREPARE mode, etc).	Optional; Default is 180000;
export.config.end_time	*<string>*	Time (seconds from epoch) at which export is to end.	Optional;
export.config.filters	*<object>*	Collection of filter criteria.	Optional;
export.config.filters.items	*<filters_list>*	Array of filter criteria.	
export.config.handle_timeout_msec	*<integer>*	Period of time for which the export handle is available after the packets download is terminated.	Optional;
export.config.mode	*<string>*	Export mode.	Optional; Values: LIVE_STREAM, BUFFER_STREAM, STREAM_TO_FILE, LEGACY, PREPARE;
export.config.output_filename	*<string>*	If sending packets to file, the filename within the probe file system.	Optional;
export.config.output_format	*<string>*	Output format type.	Optional; Values: PCAP_US, PCAP_NS, PCAPNG_US, PCAPNG_NS;
export.config.path	*<string>*	Path of the source to open.	

export.config.snap_length	*<integer>*	Packet snap length for this export.	Optional; Default is 65535;
export.config.start_time	*<string>*	Time (seconds from epoch) at which export is to begin.	Optional;
export.config.stop_rule	*<object>*	Stop rule for an export.	Optional;
export.config.stop_rule.packet_limit	*<integer>*	Max number of packets.	Optional;
export.config.stop_rule.size_limit	*<integer>*	Max bytes of packet data.	Optional;
export.config.stop_rule.time_limit	*<integer>*	Max time in seconds.	Optional;
export.config.time_intervals	*<array of <time_interval_t>>*	Array of time intervals.	Optional;
export.config.time_intervals[items]	*<time_interval_t>*	Time interval.	
export.id	*<string>*	Export unique identifier.	Read-only; Optional;
export.status	*<object>*	Status of an export.	Optional;
export.status.creation_time	*<string>*	Time at which the export was created.	Read-only; Optional;
export.status.error	*<object>*	Asynchronous task error object.	Required properties: [error_id, error_text]; Optional;
export.status.error.error_id	*<string>*	Error code.	
export.status.error.error_metrics	*<async_error_metrics_list>*	Array of key/value error metrics, used for detailed error responses from async tasks.	
export.status.error.error_text	*<string>*	Error text.	
export.status.owner	*<string>*	User who initiated the export.	Read-only; Optional;
export.status.progress	*<number>*	Processing progress including both filtering and buffering/streaming.	Read-only; Optional;
export.status.state	*<string>*	Export state.	Optional; Values: UNINITIALIZED, INITIALIZING, READY, RUNNING, STREAMING, ERRORS, NODATA, DONE;
export.status.stats	*<object>*	Statistics of an export.	Optional;
export.status.stats.dropped_packets	*<integer>*	Number of dropped packets.	Read-only; Optional;
export.status.stats.estimated_bytes	*<integer>*	Estimated number of bytes that will be exported.	Read-only; Optional;
export.status.stats.estimated_packets	*<integer>*	Estimated number of packets that will be exported.	Read-only; Optional;
export.status.stats.exported_bytes	*<integer>*	Number of exported bytes.	Read-only; Optional;
export.status.stats.exported_packets	*<integer>*	Number of exported packets.	Read-only; Optional;
export.status.stats.processed_packets	*<integer>*	Number of processed packets.	Read-only; Optional;
export.status.stats.total_bytes	*<integer>*	Approximate number of bytes in the input.	Read-only; Optional;
export.status.stats.truncated	*<boolean>*	True in case the output has been truncated.	Optional;
export.<prop>	*<any>*		Optional;

Links

export: delete

```
DELETE http://{device}/api/npm.packet_export/1.3/exports/items/{+id}
```

Response Body

On success, the server does not provide any body in the responses.

export: get

```
GET http://{device}/api/npm.packet_export/1.3/exports/items/{+id}
```

Response Body

Returns an export data object.

export: packets

Packets stream from an export.

```
GET http://{device}/api/npm.packet_export/1.3/packets/items/{+id}
```

Response Body

On success, the server does not provide any body in the responses.

export: set

```
PUT http://{device}/api/npm.packet_export/1.3/exports/items/{+id}
```

Request Body

Provide an export data object.

Response Body

Returns an export data object.

Resource: exports

Collection of exports on the device.

```
http://{device}/api/npm.packet_export/1.3/exports
```

JSON

```
{
  "items": [ export ]
}
```

Property Name	Type	Description	Notes
exports	*<object>*	Collection of exports on the device.	
exports.items	*<array of <export>>*	Array of exports.	Optional;
exports.items[items]	*<export>*	Configuration, status and statistics of an export.	

Links

exports: create

```
POST http://{device}/api/npm.packet_export/1.3/exports
```

Request Body

Provide an export data object.

Response Body

Returns an export data object.

exports: get

```
GET http://{device}/api/npm.packet_export/1.3/exports{?path}
```

Response Body

Returns an exports data object.

Type: async_error_metrics_list

Array of key/value error metrics, used for detailed error responses from async tasks.

JSON

```
[
  {
    "key": string,
    "value": string
  }
]
```

Property Name	Type	Description	Notes
async_error_metrics_list	*<array of <object>>*	Array of key/value error metrics, used for detailed error responses from async tasks.	
async_error_metrics_list[items]	*<object>*	Individual error key/value.	Required properties: [key, value];
async_error_metrics_list[items].key	*<string>*	Error metric ID.	
async_error_metrics_list[items].value	*<string>*	Error metric value.	

Type: filters_list

Array of filter criteria.

JSON

```
[
  {
    "context": string,
    "id": string,
    "type": string,
    "value": string
  }
]
```

Property Name	Type	Description	Notes
filters_list	*<array of <object>>*	Array of filter criteria.	
filters_list[items]	*<object>*	Filter configuration.	Required properties: [id, type, value];
filters_list[items].context	*<string>*	Context from which the filter was applied (e.g., user request, data drill-down, etc).	Optional; Values: NONE, INTERNAL, USER, DRILL_DOWN;
filters_list[items].id	*<string>*	Filter criterion ID.	
filters_list[items].type	*<string>*	The type of filter used on the data.	Values: BPF, STEELFILTER, WIRESHARK;
filters_list[items].value	*<string>*	Query filter text to use.	

Type: time_interval_t

Time interval.

JSON

```
{
  "end_time": string,
  "start_time": string
}
```

Property Name	Type	Description	Notes
time_interval_t	*<object>*	Time interval.	Required properties: [start_time, end_time];
time_interval_t.end_time	*<string>*	Time (seconds from epoch) at which the interval ends.	
time_interval_t.start_time	*<string>*	Time (seconds from epoch) at which the interval begins.	