Configuration import/export

It is possible to export part of Zabbix configuration:

- **Hosts and templates:**
  - ✓ Values of "Secret text" macros are not exported
  - ✓ Host and template entities inherited from linked templates are not exported
  - ✓ Entities created by LLD and any entities depending on them are not exported
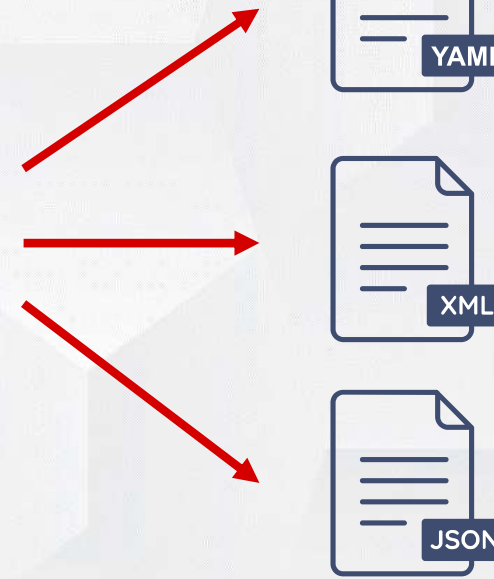
- **Media types**

- **Network maps**
  - ✓ Hosts must be exported separately
  - ✓ Images are exported in base64 format

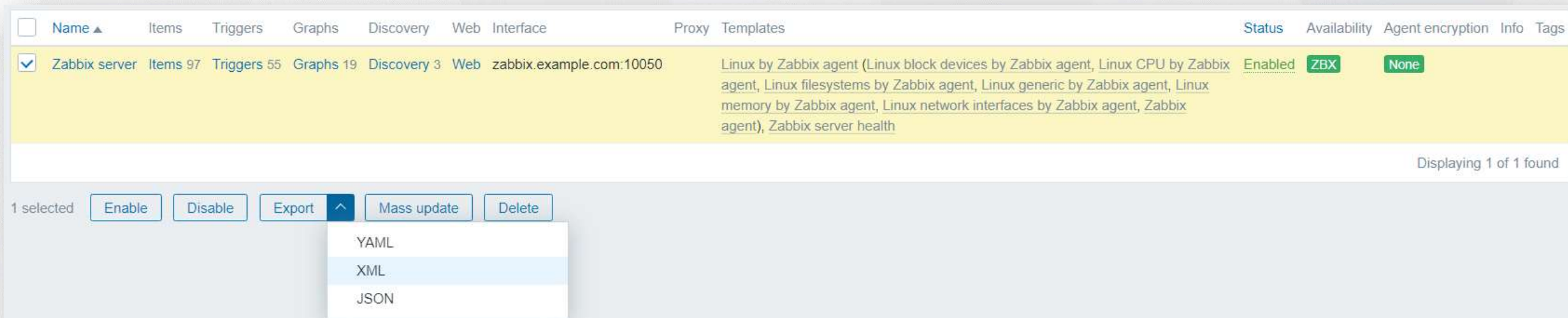## Exported configuration can be imported to other Zabbix instances:

- Export files can be imported back only on the same or newer Zabbix version

Three export file formats are supported:

- ⏦ YAML (default)
- ⏦ XML
- ⏦ JSON

ZABBIX

YAML

XML

JSON

All supported elements are exported in one file

	Name ▲	Items	Triggers	Graphs	Discovery	Web	Interface	Proxy	Templates	Status	Availability	Agent encryption	Info	Tags
☑	Zabbix server	Items 97	Triggers 55	Graphs 19	Discovery 3	Web	zabbix.example.com:10050		Linux by Zabbix agent (Linux block devices by Zabbix agent, Linux CPU by Zabbix agent, Linux filesystems by Zabbix agent, Linux generic by Zabbix agent, Linux memory by Zabbix agent, Linux network interfaces by Zabbix agent, Zabbix agent), Zabbix server health	Enabled ZBX		None		

Displaying 1 of 1 found

1 selected [Enable] [Disable] [Export ⌃] [Mass update] [Delete]

```
YAML
XML
JSON
```

Import form has three main parts:

- Update existing   Existing elements will be updated with data from the import file
- Create new   Import will add new elements using data from the import file
- Delete missing   Import will remove existing elements not present in the import file

Import button is located next to the create button

If a previous version of the imported template or host already exists, changelog will be displayed:

List of changes

Templates

▼ Removed

  ▼ Items

      Jenkins: HTTP response 400, rate

▼ Updated

  ▼ Templates

      Jenkins by HTTP

▼ Added

  ▼ Items

      Jenkins: Job blocked, m5 rate

      Jenkins: Job buildable, m5 rate

      Jenkins: Job building, m5 rate

New items

```
+          value_type: FLOAT
+     -
+          delay: '0'
+          description: 'The rate at which jobs are built.'
+          history: 7d
+          key: jenkins.job.building.m5.rate
+          master_item:
+            key: jenkins.get_metrics
+          name: 'Jenkins: Job building, m5 rate'
+          preprocessing:
+            -
+              parameters:
+                - '$.timers.[''jenkins.job.building.duration''].m5_rate'
+              type: JSONPATH
+          tags:
+            -
+              tag: Application
+              value: Jenkins
+          type: DEPENDENT
+          value_type: FLOAT
```

Removed items

```
-     -
-          name: 'Jenkins: HTTP response 400, rate'
-          type: DEPENDENT
-          key: jenkins.http.bad_request.rate
-          delay: '0'
-          history: 7d
-          value_type: FLOAT
-          units: rps
-          description: 'The rate at which the Jenkins master Web UI is responding to requests with a HTTP/400 status code.'
-          preprocessing:
-            -
```

Export can be used for:

- Configuration transfer from development machine to production
- Automated/scripted configuration generation
- Partial configuration backup (for example, templates)

Import functionality is very useful after Zabbix upgrades:

- Zabbix is not upgrading any existing templates automatically
- Check for changes in the templates when moving to a newer major version of Zabbix
- Self-monitoring templates must be upgraded to not miss any performance issues

PRACTICAL SETUP

1) Export "Template Basic" using your favorite format

2) Delete few items from "Template Basic"

3) Change item key "Interface eth0: Incoming traffic" by specifying bytes explicitly

4) Check Calculated item on Training-VM-XX host

5) Import the "Template Basic" back
   - ✓ Read the change log
   - ✓ Press Import if everything seems as expected