MAPS?

- Graphical representation of real-time data (e.g. load, bandwidth, connectivity, etc.) – grasp the data status at once

- If an event occurs, icon status or link color on the map is changed automatically
- Access to scripts, as well as links to other pages
- Possible to create multi-level hierarchy
Maps Creation

Monitoring – Maps – Create map

- Specify required (*) fields
- Think about background image (no scaling!)
- Problems? Display them!
- Do you want advanced labels?
MAPS PERMISSIONS

- All users are open to create their maps in Zabbix
- Owner – a user who created them
- Maps are either public or private:
  - **PUBLIC** maps are visible to all. They respect general Zabbix permissions (access to at least one map element is required). Can be edited in case user or user group has rights
  - **PRIVATE** maps are visible only to their owner and the users/user groups the map is shared with

User group permissions

Individual user permissions

Lack of Zabbix permissions for user

Greyed out icon and hidden textual information. Trigger label is visible even if the user has no permissions to the trigger.
ADDING ELEMENTS

- Add or remove
  - **Elements** (host, host group, images, maps, triggers)
    - Each with its own set of properties
  - **Shapes** (rectangle, ellipse, line)
    - Customize border or background, look, layout, size and etc.
  - **Links**
    - Customize the look and the label
    - Can use triggers to change its color

- Use Icon mapping to simplify setup

  Mouse right click opens a menu
  You can select multiple elements (also with CTRL key)
ADDING VISUAL EFFECTS

- Can link to another map
- Can use {MACRO} in the label to show real-time data
- Can show the state of the host group
- Can show the state of the trigger
ADDING CONNECTIONS AND LINKS

- You may create a link between two elements, specify its attributes (labels, colors, coordinates, etc.)
- The `{host:func(param)}` macro is supported in this field, but only with `avg`, `last`, `min` and `max` trigger functions, with `seconds` as parameter.

Map element

<table>
<thead>
<tr>
<th>Type</th>
<th>Host</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Display values from items for an element (link, host, etc.)

Use a Map element or custom URL to link an icon to another map

1. Add “Map element”
2. Click on element in map view
3. Result
EXAMPLE - LOCAL AREA CCTV

- CCTV big area plan
- Different colors for links
- Custom images for devices
- Buildings, storage, root points
EXAMPLE – HA WITH MENU

- Menu support for map items
- Instant command execution with script support
- Different scripts for Zabbix server, proxy and agent
- No need to switch interface – kiosk mode
EXAMPLE – PROBLEM ICON VIEWS

Select how problems are displayed with a map element:

- **Expand single problem** - if there is only one problem, the problem name is displayed. Otherwise, the total number of problems is displayed.
- **Number of problems** - the total number of problems is displayed
- **Number of problems and expand most critical one** - the name of the most critical problem and the total number of problems is displayed.
Maps are easy to integrate into Zabbix dashboards and provide an integral visual experience for your team:
MAPS INTEGRATIONS

You may create, modify, delete and get a number of maps via RESTful Zabbix API calls

Please refer to API documentation for complete description.

You may find some additional resources (icons, examples, integrations in Zabbix Share website (share.zabbix.com))
QUESTIONS?
ZABBIX

THANK YOU!