ACC: Old proxies with new server

Summary

It's impossible to upgrade a large fleet of proxies without a considerable downtime by following our official procedures. Some users just replace old proxies with new ones progressively by running old versions and hoping for the best. We need to convert this unofficial way to the official by adding some changes.

Use cases

1. I don't want to (or can not) upgrade proxies right after the server upgrade, let me do it on my own terms

Zabbix acceptance

1. Server and proxy changes
    a. Server must support data collection and select task execution by old proxies
        i. Support: previous LTS version <= allowed proxy version
            1. Examples:
                a. current server 6.2; support old proxies 6.0
                b. current server 7.0; support old proxies 6.0, 6.2, 6.4
            2. Proxies < previous LTS must not hard fail unless there is a technical reason (e.g. preprocessing moved to proxy)
                a. Documentation must state that proxies < previous LTS are not supported
        ii. If proxy version < server version
            1. configuration update must be disabled
            2. only check now and remote execution tasks must be supported
    b. Internal items must be added
        i. zabbix[proxy,discovery]
            1. returns an array of proxies in JSON, each element contains
                a. all information displayed in Administration Proxies (name, mode, etc) but excluding specific hosts
                b. proxy version
                c. (current time - last access time) in seconds
                d. version status: current, outdated, unsupported
2. Template changes
    a. Zabbix server health must create a trigger for version mismatch for one or more proxies
3. Front-end and API changes
    a. Administration Proxies must
        i. rename "Required performance (vps)" "Required vps"
        ii. add version filter
        iii. display version
        iv. highlight version mismatch with hints:
            1. "Proxy is outdated, only data collection and remote execution is available."
            2. "Proxy is not supported." if proxy version < previous LTS
        v. make all but Host count, Item count, Required vps, Hosts columns sortable
4. Internal documentation changes
    a. Specification template must add a new section Proxy compatibility

Zabbix UI changes

1.

	Name ▲	Mode	Encryption	Compression	Version	Last seen (age)	Host count	Item count	Required vps	Hosts
☐	Germany1	Passive	None	On	6.2	0	3	0	0	AP4_192_168_34_30, Router1_192_168_20_1, Router2_192_168_20_2
☐	Germany2	Passive	None	On	5.4 ⓘ	Never	1	0	0	AP_192_168_20_33
☐	Sweden	Active	None	On	6.0 ⓘ	Never	1	0	0	Router3_192_168_20_3

Displaying 3 of 3 found

0 selected   Refresh configuration   Enable hosts   Disable hosts   Delete

Decisions made

1. N/A

Open questions

1. N/A

Changes log

- N/A