Plugin developer guide

Zabbix Report

This guide is aimed at moodle plugins developpers that want implement Zabbix Report compatibility so the plugin can be discovered by the Zabbix Report and have indicators emission handled by the sending tasks.

Note that only the Pro version of the Zabbix Report plugin with a valid license key will support this integration. Free releases of the report plugin **will not** provide this extension capability.

Plugin registration method

The plugin can be registrated within the Zabbix Report among two scenarios:

- The third-party plugin is installed AFTER the Zabbix Report has been installed.
- The third parry-plugin is installed BEFORE the Zabbix Report plugin.

Note : note that if you install a complete moodle preequiped with third-party plugins, then both cases might happen depending on the pluginlist order.

Registration function in lib.php

You will add to your main `lib.php` file the following function:

```
/**
 * This function is a "late" callback, when zabbix report
 * is installed AFTER this plugin has been installed. It is called
 * by the Zabbix Report installer to register all compatible plugins.
 */
function <plugin_frankenname>_zabbix_register() {
    global $CFG;

    if (is_dir($CFG->dirroot.'/report/zabbix')) {
        include_once($CFG->dirroot.'/report/zabbix/xlib.php');
        report_zabbix_register_plugin('<plugintype>', '<pluginname>');
    }
}
```

Handling post installation case

If the Zabbix report plugin is already installed, it will not scan for your third-party plugin, but the third-party plugin will use it's post install sequence to do so.

In your `db/install.php` post install file, add the following;

```
function xmldb_<plugin_frankenname>_after_install() {

    [...]

    // Register zabbix indicators if installed.
    // Note will only work with report_zabbix "pro" version.
    // This call is only a wrapper.
    if (is_dir($CFG->dirroot.'/report/zabbix')) {
        include_once($CFG->dirroot.'/<pluginpath>/lib.php'); // If not yet done.
        learningtimecheck_zabbix_register();
    }
    [...]
}
```

This function will reuse the thrird-party registering callback at install time.

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