

## NexusGuard FiveM Add-On Refactor

This refactor makes a small but critical change to ensure that **NexusGuard** functions as a proper FiveM resource. In the original repository the `fxmanifest.lua` incorrectly references the client entry point as `client/client_main.lua`, but the file actually lives in the root of the resource. Because of this mismatch FiveM never loads the client controller script.

The provided patch (`fxmanifest_patch.diff`) updates the `client_scripts` section of `fxmanifest.lua` so that it points to the correct location:

- Before: `client/client_main.lua`
- After: `client_main.lua` (with a descriptive comment to avoid future confusion)

Apply this patch on top of the existing repository to fix the loading issue. Once applied, restart your server and ensure that the resource starts correctly (no “missing client script” warnings).

### How to apply the patch

1. Navigate to the root of your **NexusGuard** project (the directory that contains `fxmanifest.lua`).
2. Save the `fxmanifest_patch.diff` file from this refactor into that directory.
3. Run the following command from a terminal in the project root to apply the patch:

```
git apply fxmanifest_patch.diff
```

If your repository is not using Git, you can manually edit `fxmanifest.lua` by replacing `client/client_main.lua` with `client_main.lua` in the `client_scripts` section.

1. Restart your FiveM server. The **NexusGuard** resource should now load the client component correctly.

### Additional recommendations

- **Remove duplicate or unused files:** The presence of a `client_main.lua` at the root level suggests there may be leftover or duplicate files in the repository. After applying the patch, there is no need to have both a root and a `client/` copy of the same script. Consolidate your source files to avoid confusion.
- **Review configuration:** Make sure to customise `config.lua` before deployment. The default `Config.SecuritySecret` is a placeholder and must be replaced with a strong random string <sup>1</sup>. Review thresholds and detector settings to suit your server's needs <sup>2</sup>.
- **Check dependencies:** Ensure the `oxmysql`, `screenshot-basic` and `ox_lib` resources are installed and start before **NexusGuard** <sup>3</sup>. Without them, certain features (database operations, screenshots, crypto functions) will not work.

- **Follow installation steps:** Refer to the project's README for detailed installation instructions <sup>4</sup>. In short, extract the resource into your FiveM `resources` folder, configure `server.cfg` to start its dependencies first, then run `ensure NexusGuard`.

By applying this patch and following the recommendations above, you will convert the current project into a functional FiveM add-on that loads both client and server components correctly.

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<sup>1</sup> <sup>2</sup> [raw.githubusercontent.com](https://raw.githubusercontent.com/Strategizing/NexusGuard/main/NexusGuard/config.lua)

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<sup>3</sup> [raw.githubusercontent.com](https://raw.githubusercontent.com/Strategizing/NexusGuard/main/NexusGuard/fxmanifest.lua)

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<sup>4</sup> [raw.githubusercontent.com](https://raw.githubusercontent.com/Strategizing/NexusGuard/main/NexusGuard/README.md)

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