

# Clouseau

## The EFL UI Inspection Tool

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TAsn)

# About Me

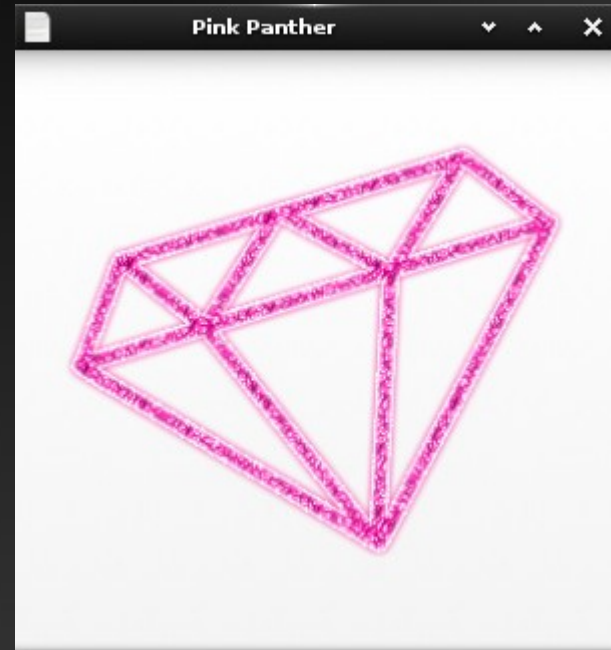
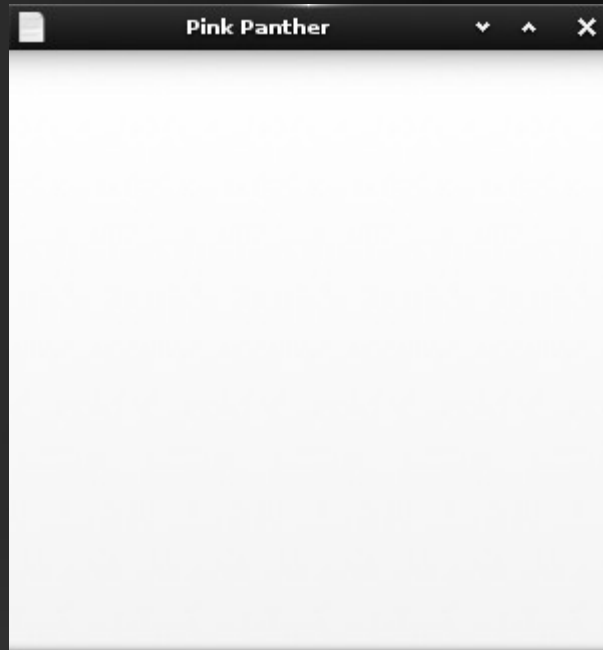
- Enlightenment developer
- As well as other OSS projects.
- Love tools and pro automation
- Work at Samsung UK



# Debugging UIs

- Debugger/printfs to query suspicious objects
- Brute-force modify things until things work.
- Make someone debug it for you.

# The Pink Panther Has Gone Missing



...

```
win = elm_win_util_standard_add("pink-panther",  
                                "Pink Panther");
```

```
elm_win_autodel_set(win, EINA_TRUE);
```

```
bx = elm_box_add(win);
```

```
evas_object_size_hint_weight_set(bx, 0.5, 0.5);
```

```
elm_win_resize_object_add(win, bx);
```

```
evas_object_show(bx);
```

```
panther = elm_image_add(bx);
```

```
elm_image_file_set(panther, "pink_panther.png", NULL);
```

```
elm_image_aspect_fixed_set(panther, EINA_TRUE);
```

```
evas_object_size_hint_min_set(panther, 250, 250);
```

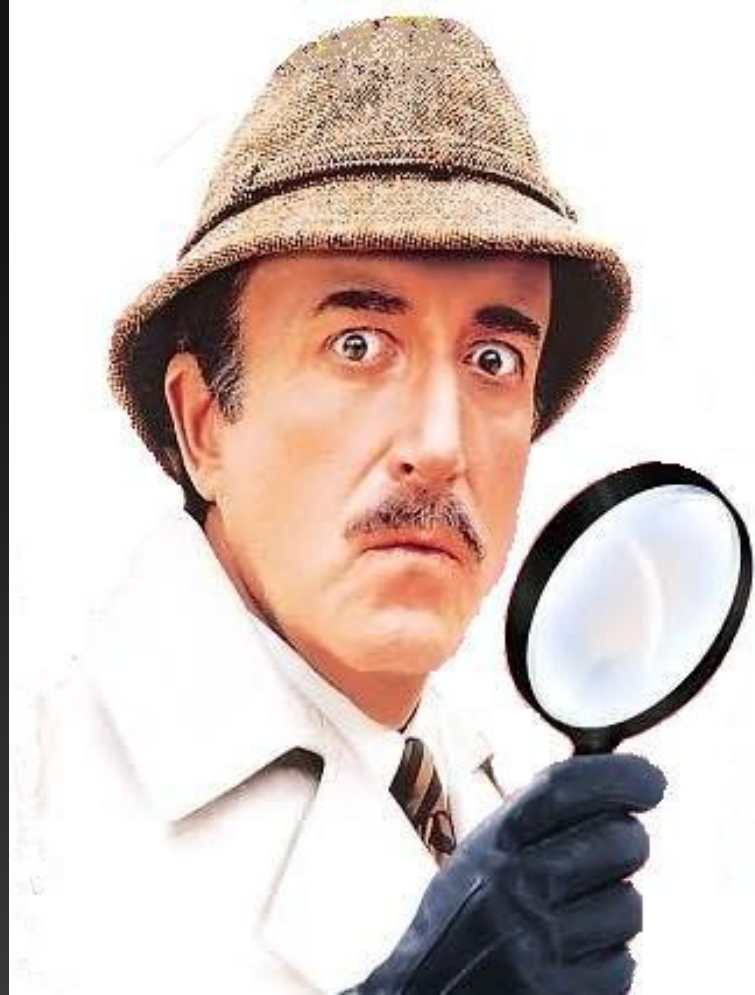
```
evas_object_show(panther);
```

```
evas_object_resize(win, 200, 75);
```

```
evas_object_show(win);
```

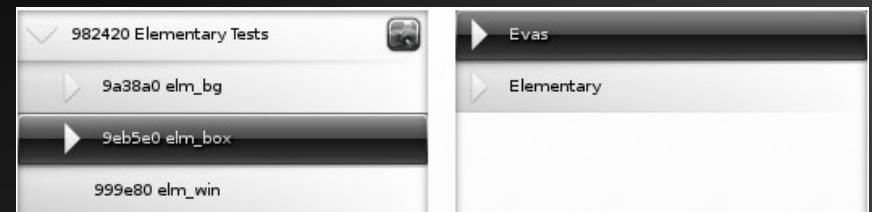
...

# Inspector Clouseau to the rescue!

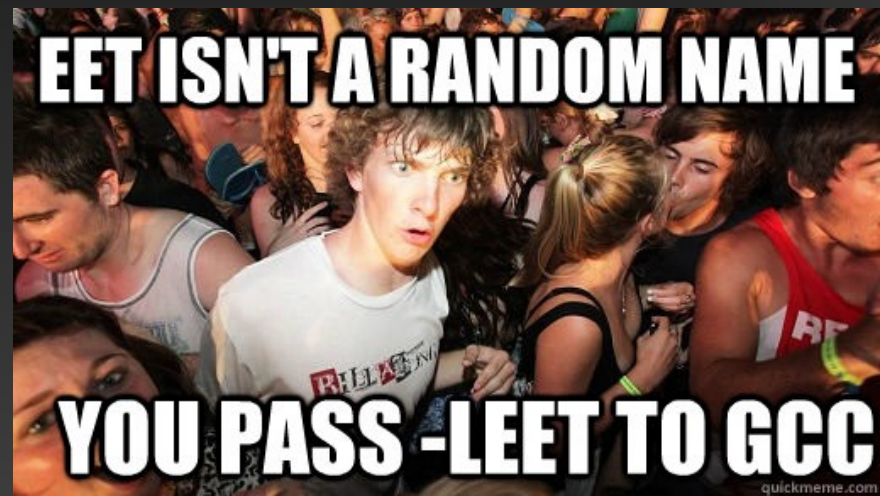


# How it actually works

- Runtime class provided information.
- Hooking on EFL funcs - proper integration in the near future.
- We use Eet for serialization.
- We use it on Tizen devices at Samsung.



# Real(?) Life Example





# Additional Useful Features

- Rendered window inspection.
- Store images of the UI in the Eet.
- Not limited to GUIs.



# A Glance Into The Future

- Regression testing platform.
- Interaction (“commands”) to the inspected applications.
- Better UI – jump to object, search, and etc.
- Filter objects to only show specific classes.
- Major UI overhaul.

Code at the E svn (soon to be git):

<http://svn.enlightenment.org/svn/e/trunk/clouseau>

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