

The Configuration Framework

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```
const a_setting = T &redef;
```

const a_setting = T &redef;

redef a_setting = F;

Changeable only at parse-time

...or by BroControl at runtime

New Solution

Config framework!

Changeable at runtime

Type-safe

config.log

Input source independent

Support for change handler (validation, propagation)

Clusterized

option a_setting = T;

option a_setting = T;

Configuration file:

a_setting F

option a_setting = T;
option b_setting = 10.0.0.0;

Configuration file:

a_setting F

b_setting 192.168.17.1

```
option a_setting = T;
```

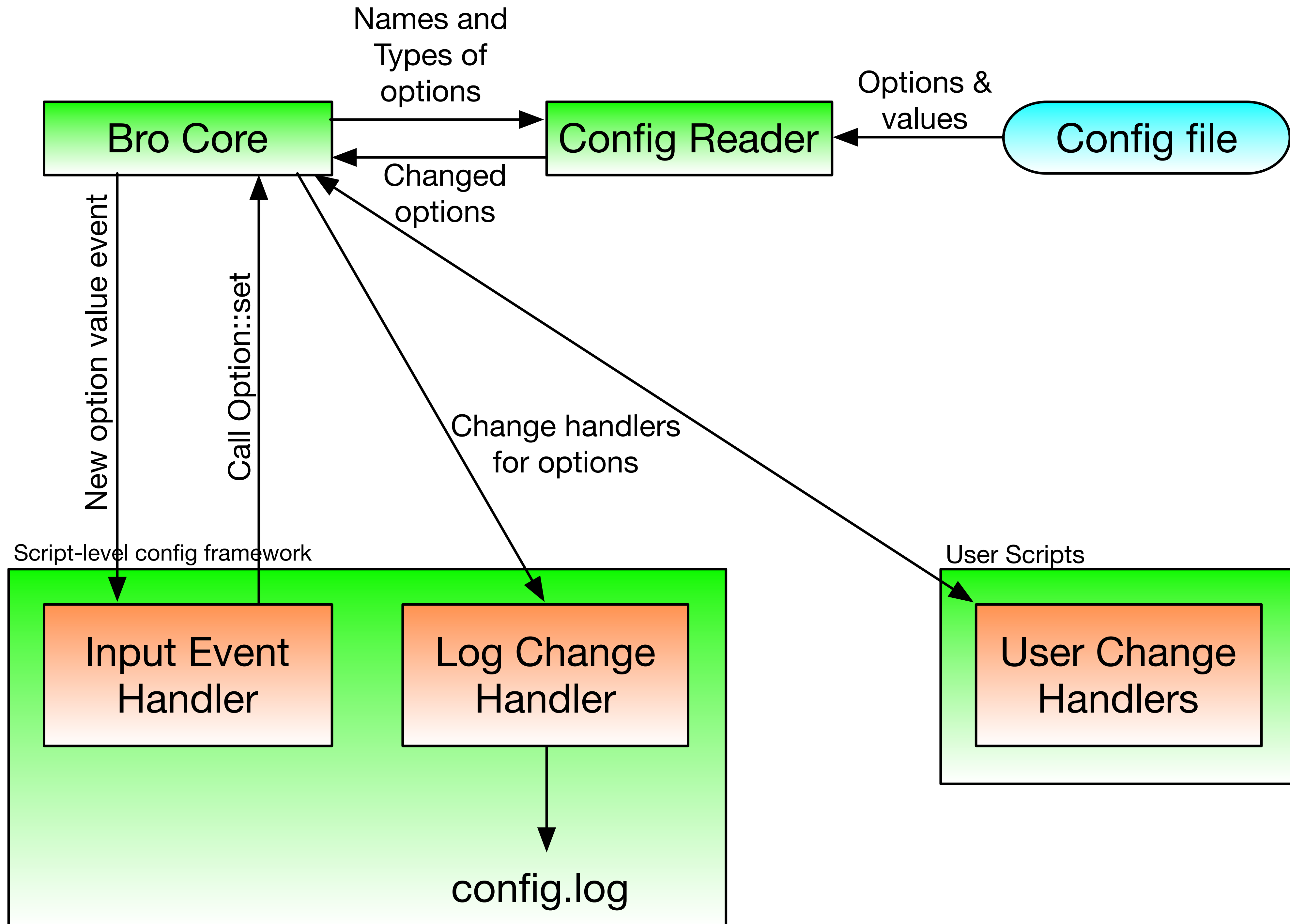
```
function change_handler(ID: string, new_value: any): any  
  {  
    return new_value;  
  }
```

```
event bro_init()  
  {  
    Option::set_change_handler("change_handler");  
  }
```

Bro Core: options & change handlers

Config input reader

Configuration framework scripts



Demo

Summary

- Use the config framework :)
- Zero-downtime configuration changes.
- Do not loose flow state anymore.