

Clicon

Configuration management,
CLI generation
And
Netconf interface

Clicon

Clicon

- \$ whoami
andrnils (@resilans.se)
aka
Andreas Nilsson
- Todays topic:
clicon – from a users perspective
on behalf of olofh

Clicon

- Logical continuation of cligen
- Cligen was discussed at bifrost @resilans
- Available at github.com/olofhagsand/cligen
- Short recap:
Framework for CLI-generation
Write a syntax def and c callbacks

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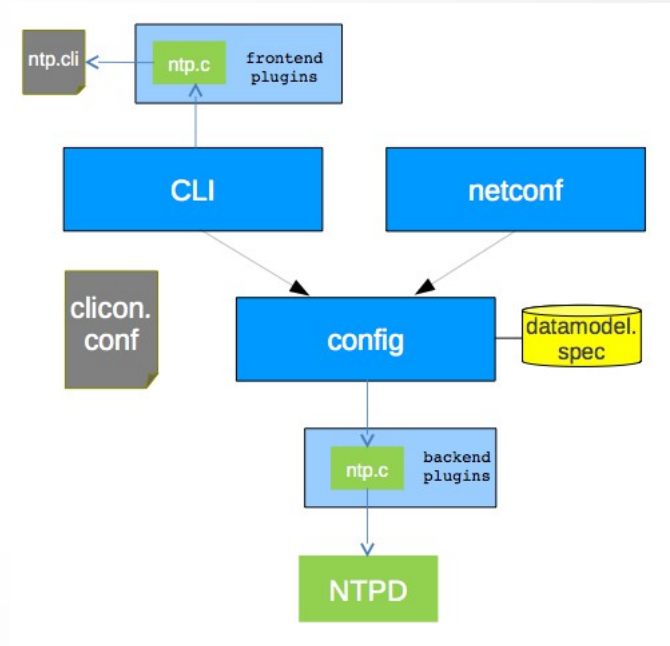
- Extending cligen:
- Add config db
- Add netconf support
- Specify db schema instead of syntax

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- Still a framework
- Direct dispatch or commit semantics (ie cisco or juniper)
- Also: netconf support
- Available at: github.com/clicon/clicon.git

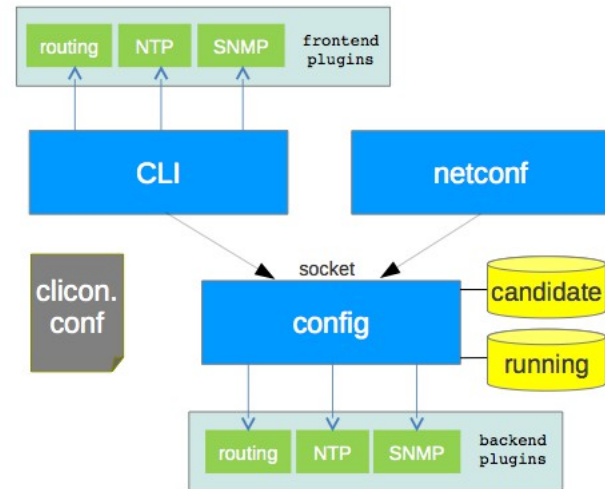
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- Overview of clicon, another perspective
- Start with datamodel.spec
- Define clicon.conf



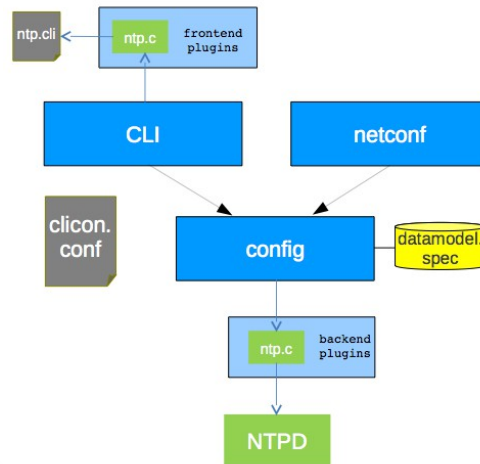
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- Overview of clicon
- Blue = binaries
- Yellow = database
- Green = plugins



Clicon

- Consists of
 - Backend plugins
 - Frontend plugins
 - Database model
 - cli binary
 - netconf binary
 - backend binary



- Has
 - Db def language
 - Plugins part of apps
 - Datamodel part of apps

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- Enough abstracts; demo time

hello app

rost app

whitebox app

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- hello app

db def:

```
name="datamodel"; # Name of syntax-tree
```

```
hello("Hello"){
```

```
  vector[nr]("hello vector"){
```

```
    <nr:int>("Number in vector");
```

```
    <greeting:rest default:"hello">("Greeting string");
```

```
  }
```

```
  <status:bool>("Set a boolean status: off or on");
```

```
}
```