

Automation: Then and Now



TWENTIETH CENTURY

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Introduction

Nontechnical / fun talk about how automation has changed through the years.

1999: Email templates were the API

- **SWIP** (Shared whois project)
- **domain registration**

2002: **deploy.sh**

- Multi server configs still done **by hand**

2006: **facsimile**

- **Code deploy automation**
- **Auditability**
- **Limit those filthy developers** from doing bad things on production
- remarkably similar to **Ansible**

<https://github.com/20c/facsimile>

2010: **facsimile**

- Added **network automation**
- add **per exchange VRFs** with a single config stanza

OpenConfig

- Proper model for **data driven configs**
- Growing **device support**

<http://openconfig.net/>

2018: **ctl**

- **Single source of truth**
- **Data-driven**
- **Auditability**
- **Accountability**
- **Orchestration**

<https://fullctl.com/>

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