
ccTLD Infrastructure DIY

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Components

Components

1. DNS Service for TLD and your own domains
2. DNSSEC Signing and key management, zone generation
3. WHOIS and RDAP services
4. Web sites for public, portal for registrars, maybe users
5. EPP service for registrars
6. Email, chat, phone, fax (hope not) for support
7. TBC...

Components, continued

- 7. Datacenter space, internet, networking hardware, ...
- 8. Software development, testing, and maintenance
- 9. System/network administration, operations, devops...
- 10. Business back office (accounting)
- 11. Lawyers!

Choices

Outsource or not?

1. DNS secondary service: probably the easiest
2. EPP and WHOIS: possible, but look for data protection
3. Your business and financial operations - better not
4. Datacenter space, colocation, virtual servers - sure
5. Your registry database?
6. Your DNSSEC signing and DNS zone exports?
7. Your support staff?
8. Your entire operation?

Software: build or buy?

1. DNS servers, OS, virtualization
2. Registry (EPP server)
3. Database and data replication
4. Accounting
5. Mailing lists
6. ...

Costs

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1. It may be not obvious yet but we are entering commodity era for software development, operation, cloud
2. What made sense in 1990s and 2000s is now silly
3. Cost of rebuilding your systems may be too high
4. It is what nobody else can decide. It's you who chooses
5. There may be good offers but ask your lawyers to help

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Questions?

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(Running TLD since 1992)

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