



The Vision of Common Desktop Infrastructure

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Profile

■ Daisuke Kameda

- President of Japan KDE Users' Group
- Engineer of SMG Co. Ltd.
- The maintainer of “immodule for Qt” Project

■ Japan KDE Users' Group [<http://www.kde.gr.jp/>]

- The community of KDE developers and users in Japan.

■ SMG Co. Ltd. [<http://www.smg.co.jp>]

- We develop Network Management Systems and framework by using Java (or C) and Linux.





Background of "Common Desktop Infrastructure"

- Windows almost completely dominates desktop market.
 - In server market, Linux is been changing ascendancy.
 - In desktop market, Windows is predominately selected.



1. The Linux desktop is **inferior as the development platform**.
2. It is also necessary to **adopt the technology for the future** of desktop.

→ It makes the desktop more powerful.

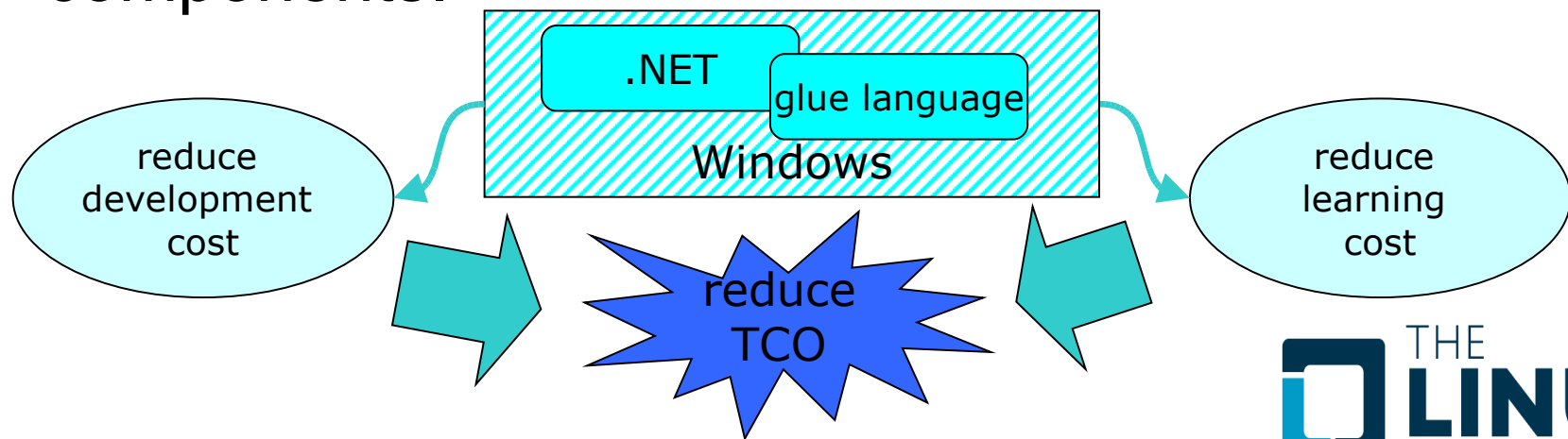


Background1 : What is inferior?

- **Development cost** of Windows and .NET is **lower** than Linux's.



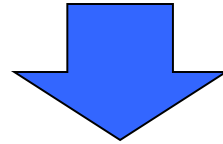
- There are useful components in Windows and .NET.
- There are **glue language** (e.g. VB) for connecting components.





Background2 : What is technology for the future?

- The traditional desktop is confronted with environment changing like whirlwind.



1. **The boundary** between the traditional desktop and the **Software as a Service model** is **getting blurred**.
2. **The boundary** between the traditional desktop and the **Mobile Internet Device** is **getting blurred**.



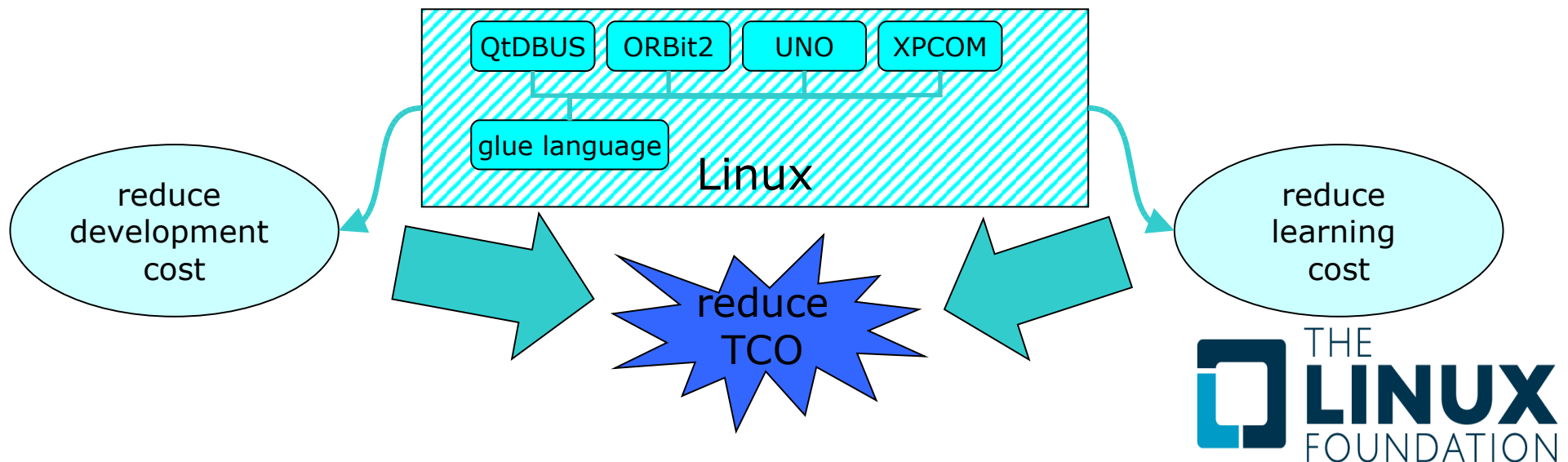
So, we develop Common Desktop Infrastructure

- ✓ This provide the platform **for sharing the resources** of desktop applications and network services.

What does "Common Desktop Infrastructure" plan to realize? 1/2

- We enable to **easily connect existing useful components**.
- We are going to supply easy **glue language** to connect (abstract or standard) components.

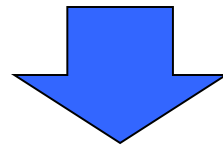
→ ***This is first and indispensable step of all.***





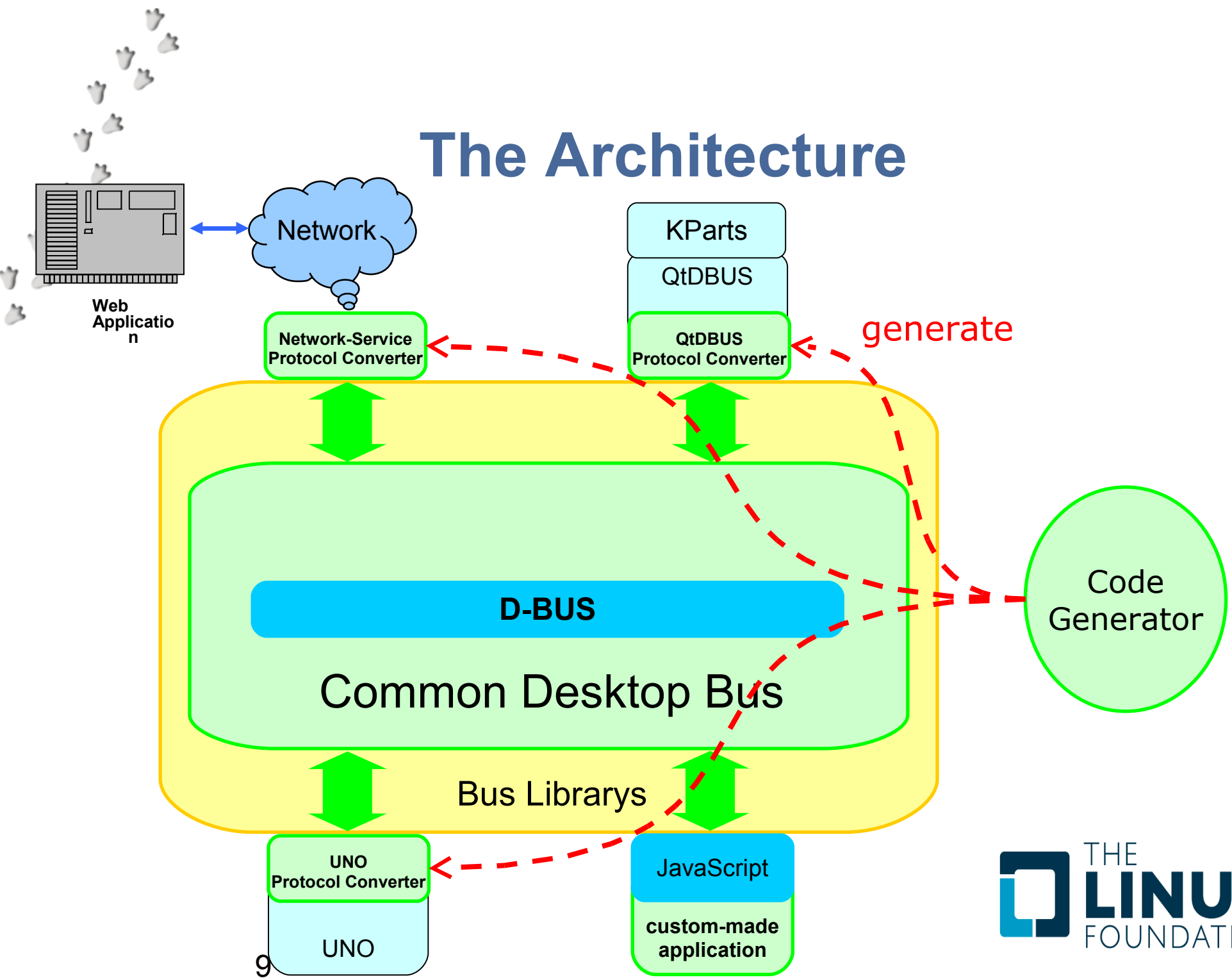
What does "Common Desktop Infrastructure" plan to realize? 2/2

- I will provide **collaboration platform**.



1. The "new" desktop can **collaborate with the service** on the Internet **under users' control**.
 2. The "new" desktop can provide **continuous user experience** by **collaborating between desktop and the Mobile Internet Device** through network.
- ➔ It means, perhaps, we need to reconstruct new desktop concept.

The Architecture

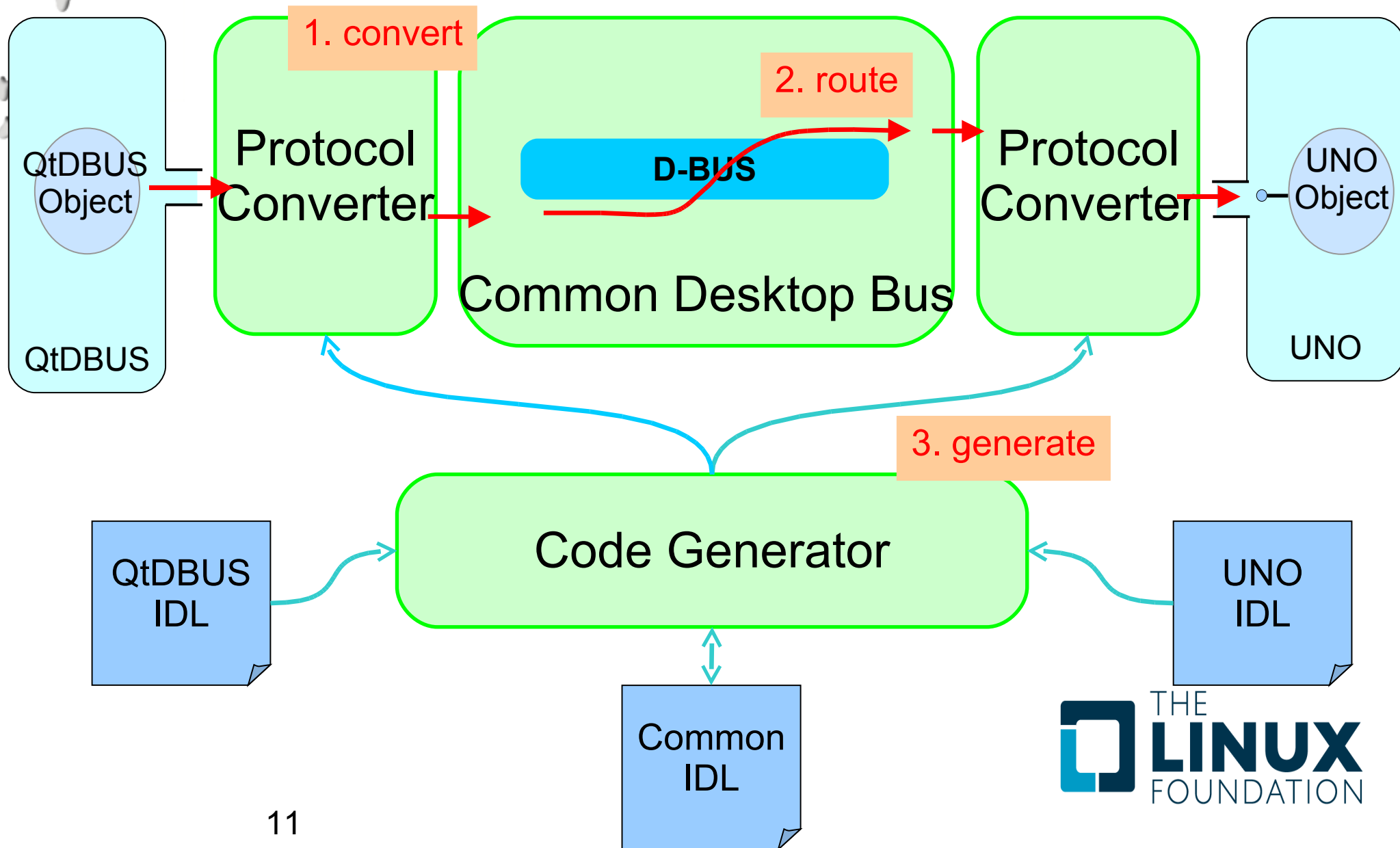




Validity of the Architecture

- ✓ This Architecture image shows supporting only KDE, OpenOffice.org and SOAP services now. Because the budget and schedule was limited.
- ✓ But the Architecture can support GNOME and Mozilla by only developing protocol converter and code generator for each.

The Behavior



The demo usage of Common Desktop Infrastructure

- Fixed form sentence mail is transmitted using a customer information list.

