

Build a secured system from day one with proper architectural planning, governance and change management

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About Acer EMEA

- ▶ Part of the leading global PC vendor Acer Inc. based in Taiwan
- ▶ EMEA HQ in Bioggio (Lugano), Switzerland
- ▶ Revenue for 2016 exceeds \$ 2.8 Billion
- ▶ 25+ EMEA locations and 1800+ employees

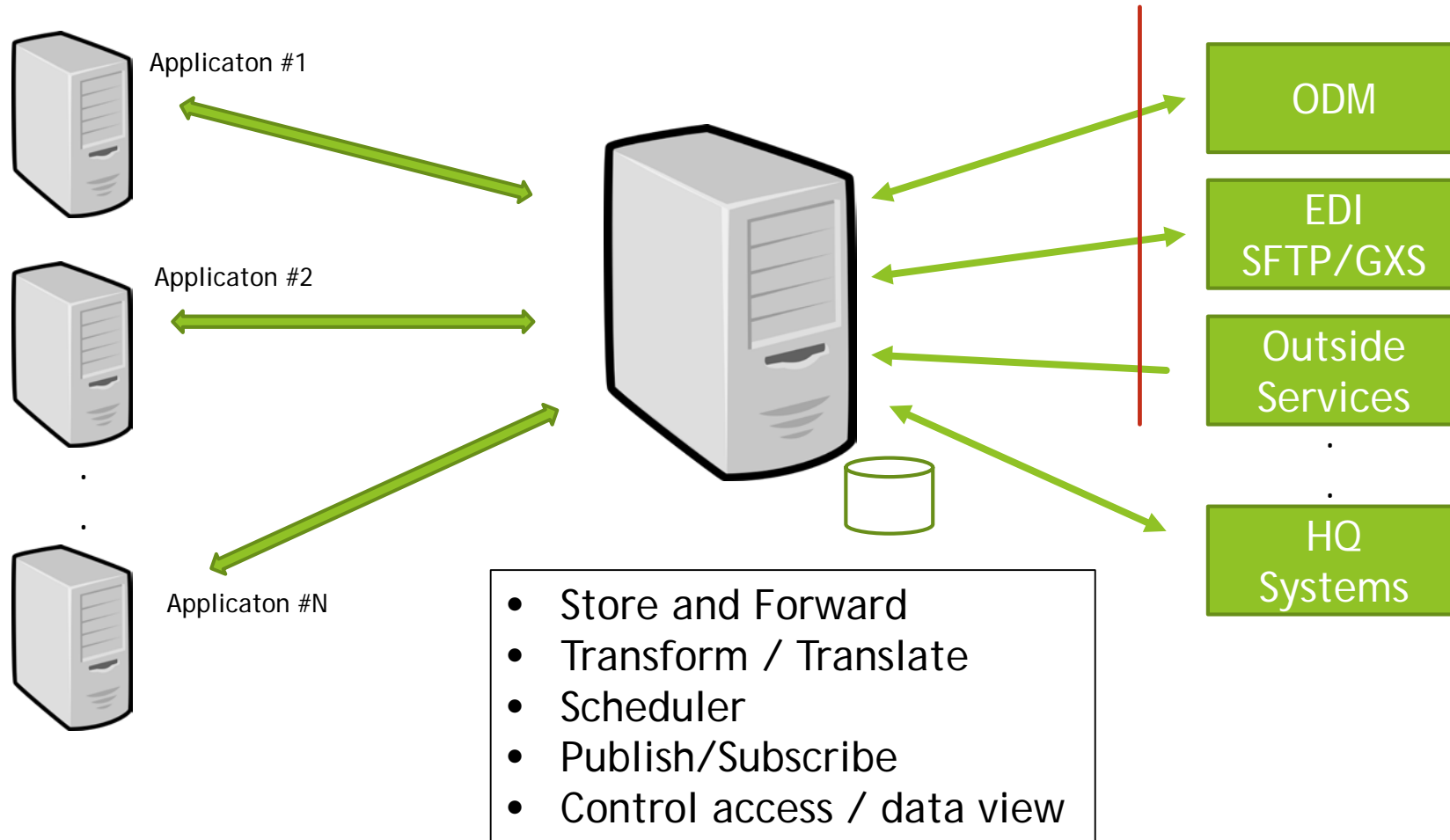
Security as key building block of any application

- ▶ Physical access security (intranet, VPN, cloud, etc.)
- ▶ Application access
 - ▶ Authentication - LDAP, AD, etc.
 - ▶ Authorization - user profile, roles, etc.
- ▶ Architecture design and development process
- ▶ Never an afterthought - have it from Day ONE

How it was done in Acer

- ▶ Had the privilege to design and implemented (from scratch) two instances of ERP/Distribution applications over the last 15 years
- ▶ Learnt from first implementation and built an Enterprise security module for all internal developed applications
- ▶ Separated Authentication (using AD) and authorization (with complex Profile and roles matrices)
- ▶ Leverage a Message Broker ("HUB") to reduce the dependencies among applications
- ▶ Hide, transform, translate data/messages to further secure the source and destination data/systems

The Message Broker ("HUB")



Security Benefit of using the “HUB”

- ▶ Hide connecting and access information from other systems, both internal and external
- ▶ Can only “talk” through the “hub” to outside and/or other systems
- ▶ Facilitate system testing and migration - reduce the dependencies and readiness of other system
- ▶ Clear “contract” between systems and the “HUB” and keep things simple

Other processes implemented to support IT governance and Change Management

- ▶ Use a single Cloud platform to track users support, project management and software development and delivery
- ▶ No more excel tracking
- ▶ Cut internal email by 80%
- ▶ Single set of truth
- ▶ Project and tasks are visible and transparent among the teams
- ▶ Social collaboration like tool
- ▶ Issues could only be addressed when they are shared and known

Q & A