



Defensible Digital Boundaries

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What is a security perimeter?

- All actors inside the perimeter are either “authorised”, or else they are “intruders”.
- At the perimeter, we must
 - Identify
 - Authenticate, and then
 - either Authorise or exclude.
- Inside the perimeter, we should
 - Restrict (sandbox), Detect, Recover, Punish.

Defensible perimeters?

- **Platform:** boundaries are the I/O ports of a single computational device such as a laptop computer or cellphone.
- **Virtual:** boundaries are defined by the virtualising software and operating system on the host platform.
- **Service:** boundaries are platforms and connections to subsystems that provide specialised services, such as email, fileservice, Kerberos authentication, or identity management.
- **Facility:** boundaries are defined by “bricks and mortar”.
- **Corporate:** boundaries are defined by an ownership and management structure.
- **National:** boundaries are defined by a territorial (judicial) authority.

De-Perimeterisation!

- A corporate perimeter defines a QoS boundary (availability).
- Inner perimeter(s), e.g. individual platforms or virtual machines, defend integrity and confidentiality.
- The emphasis is on making connections between well-authenticated users on trustworthy (well-managed) platforms.
 - Identity management is a key requirement.

The Jericho Forum

- **What's in it for us?** We need Security Solutions that support de-perimeterisation.
 - – so we aim to stimulate a market for solutions to de-perimeterisation problems.
 - We want these solutions to use open standards, to improve interoperability and integration, both within our own IT systems and with our business partners.
- **Organisation?** User members own the Forum, vote on the deliverables, and run the Board of Managers (BoM).
 - Vendors have no voting rights on deliverables or on the BoM.
 - We now have 12 vendor members, and want more, because we need to work with vendors.

Some of our members

