

Intelligent routing technologies for communication continuity on crisis environments

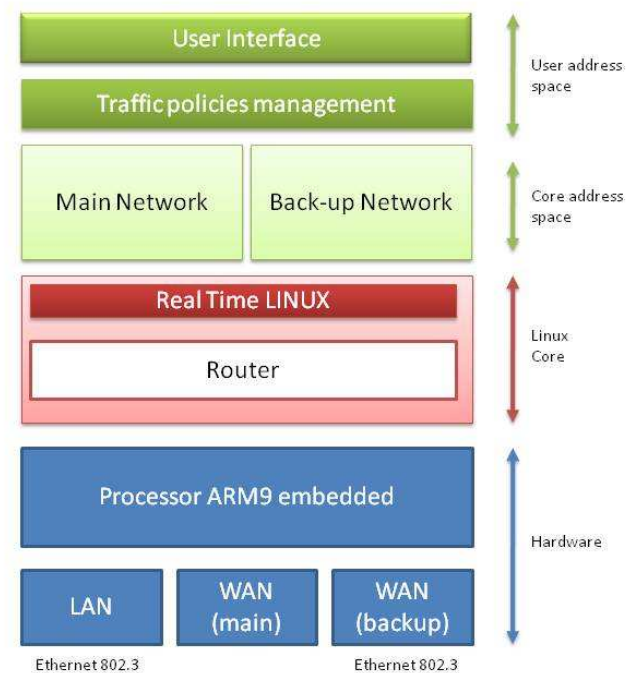
Communications have become in recent decades a fundamental pillar in the business environment. Restoring security and safety in case of a large scale incident is the main reason why lately an increasing number of business and organizations are adopting new communications management procedures to overcome a lost in their communications, so business continuity is assured.

One of the main business continuity solutions adopted nowadays is redundant networks. But handling communication management between them is not an easy task; there are numerous technologies to provide communication access nowadays: ADSL, Cable, satellite, PLC, HSDPA, etc., and each service provider has its own way to administrate this access. Normally, failure detection in these ISPs networks is carried out internally, by a routing protocol (RIP, OSPF), so the routing information is not provided for the end user.



In Integrasys we have long experience dealing with communications management. After some research we have found that there are a lot of internet access modem/routers that implement routing protocols, but these can't be used outside the own network, since not routing information is provided by the ISP. So we see the need of

designing a new topology-independent method to detect a failure/recovery in any communication network, so that interoperability issues in crisis environments can be solved.



Highlights

- Topology-independent failure/recovery detection to assure **interoperability**
- High **flexibility** and configurability according to the level of criticality of the system and the needed response
- **Robust** failure detection based on configurable checkups
- **Secure communications**
- **Real time** based on policies