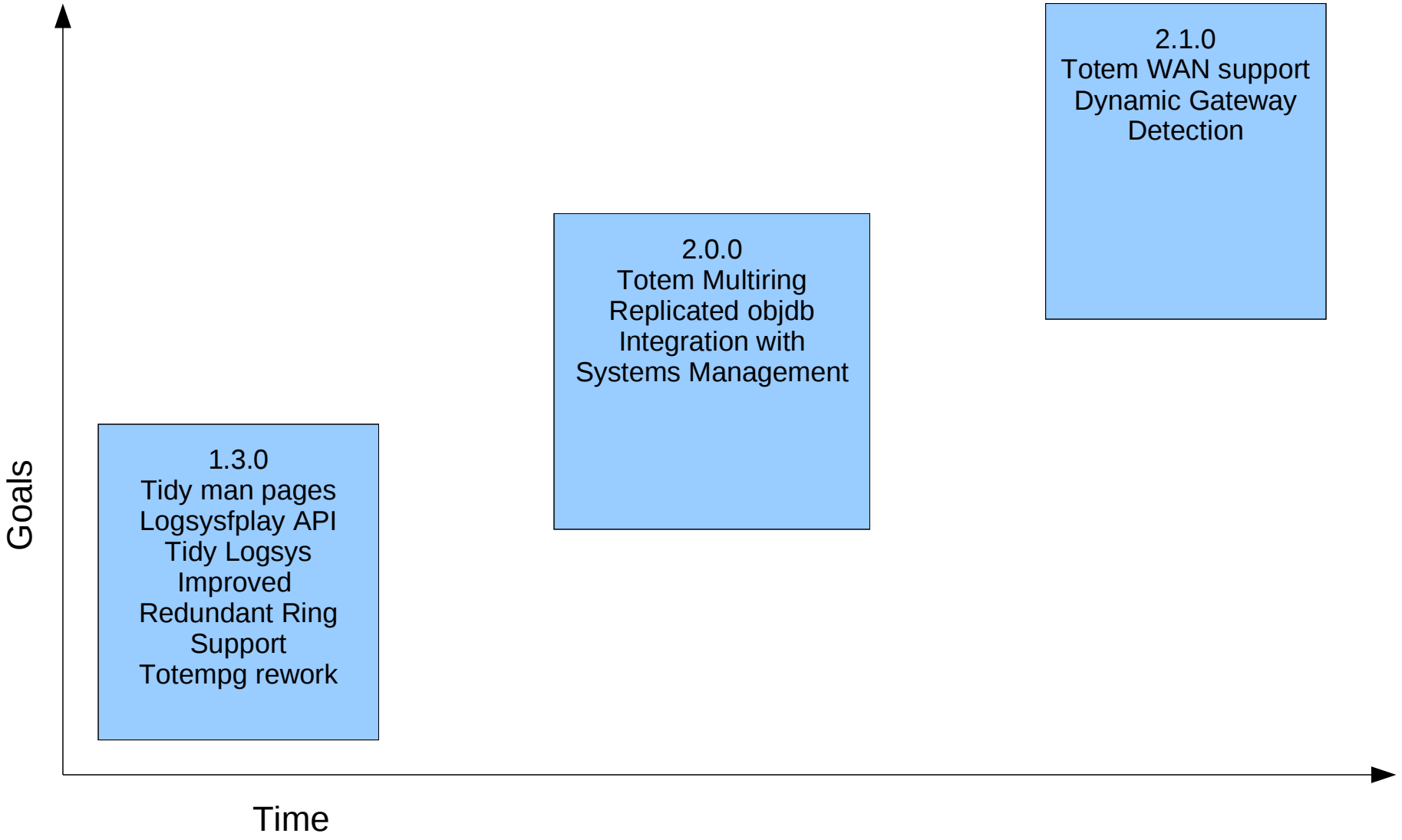
The Corosync 2010 Roadmap

The mailing list was polled about what features they would like to see in The Corosync Cluster Engine in the future. This roadmap describes a prioritization of those features covered on the mailing list. Like all things open source, our plans are subject to change and directed by individuals who want to solve their most pressing issues. If you share our issues, feel free to contribute in any way you choose.

The Corosync Cluster Engine Community 2010 Roadmap



Last Updated July 1, 2009

Goal Descriptions

- Tidy man pages
  - Man pages need some love.
- Logsysfplay C API
  - The logsys system provides a mechanism to create records of information. Unfortunately there is no portable way currently to read this information. The logsysfplay API abstracts the reading of fplay records for other applications.

Goal Descriptions

- Tidy logsys implementation
  - The implementation of the flight recorder backend is difficult to understand. We should also consider how to remove the spinlocks from the front end of the IO path of logsys for 100x+ performance boost.
- Improved Redundant Ring Support
  - The Redundant Ring support in corosync needs more testing, especially around boundary areas such as 0x7FFFFFFF seqids. Redundant ring should have an automatic way to recover from failures by periodically checking the link and instituting a recovery of the ring.

Goal Descriptions

- Totempg rework to reduce memory copies
  - Totem analyzed for memcpy consumption. Totempg needs rework in this area.

Goal Descriptions

- Totem Multiring
  - Implement the multiring protocol for better scalability up to hundreds of nodes.

Goal Descriptions

- Replicated Configuration Object Database
  - Allow our object database to replicate certain shared information, or keep data private if it is node local.
- Integration with Systems Management
  - Integrate with future system management solutions.
- Totem WAN support
  - Allow Totem to operate over high latency links (depends on Multiring).

Goal Descriptions

- Dynamic gateway detection
  - Allow Totem to dynamically detect its gateways so they don't have to be configured.