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Agenda

- Project PRISTINE
- RINASim
- Component details
- Dissemination and references

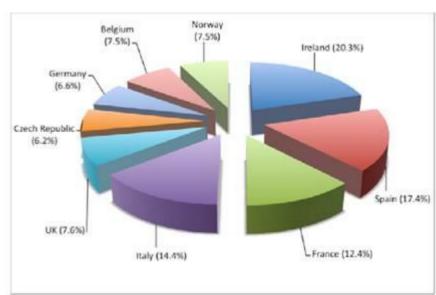


Project PRISTINE

Project PRISTINE

- Programmability in RINA for European Supremacy of Virtualised Networks
- FP-7 EU Project
- Duration: January 2014 June 2016 (extended to October 2016)
- Total cost: 5.034 m (EUR)
- Partners:









RINASim

- Your's fully fledged RINA simulator
- Developed (from scratch) since January 2014
- Open-source available at github.com/kvetak/RINA



SLOC

Team

FIT-BUT

- Vladimír Veselý (FA, FAI, DA, AE, RIBd, CDAP, IRM, NSM)
- Marcel Marek (EFCP, DTP, DTCP)
- Tomáš Hykel (RMT, RA)
- Kamil Jeřábek (Enrollment)

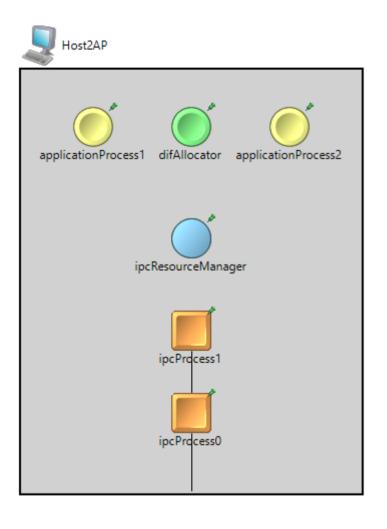
CREATE-NET

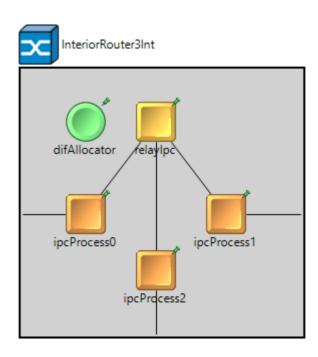
- Kewin Raush (PDUForwardingTableGenerator)
- UPC
 - Sergio Leon Gaixas (Routing)
- UiO
 - Peyman Teymoori (congestion control)
- IMT
 - Anis Laouiti and Fatma Hrizi (link-state routing policy)

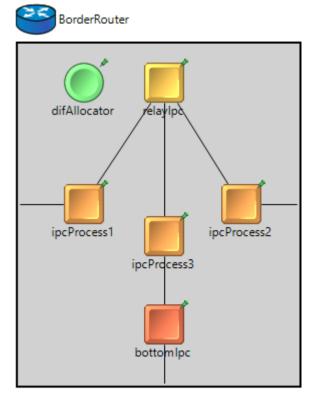


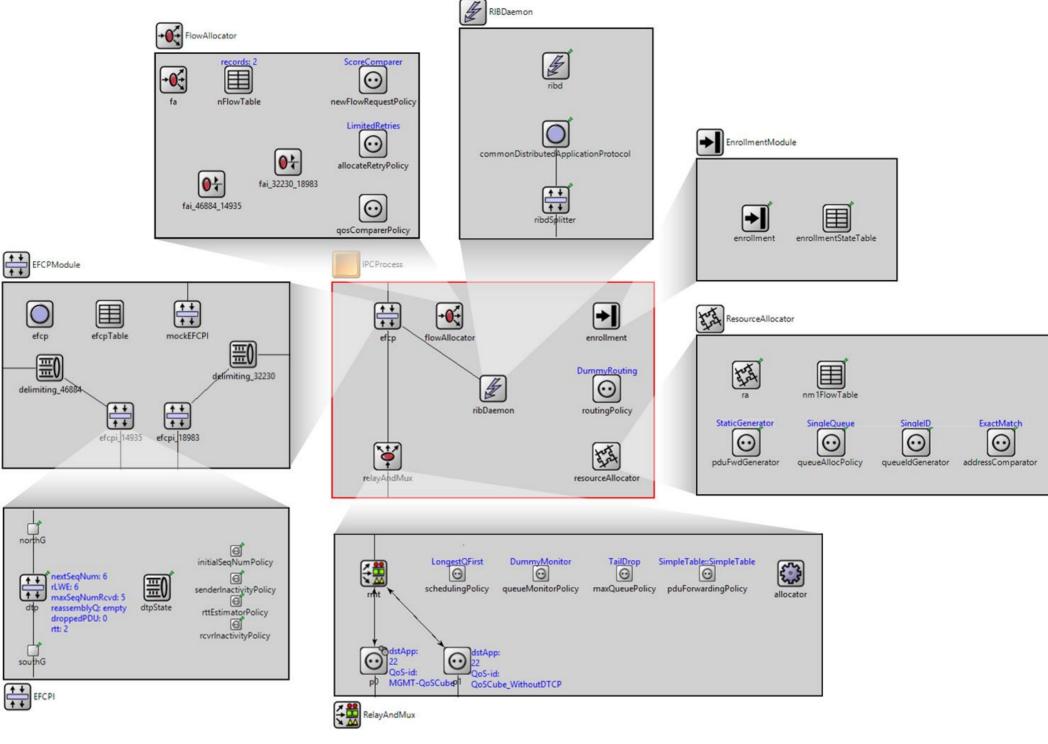
Component details

Nodes structure









OMNeT Community Summit - FIT BUT, September 2016



Dissemination and references

Dissemination

- Ehsan Elahi, Jason Barron, Micheal Crotty, Miguel Ponce de Leon, Rashid Mijumbi, Steven Davy, Dimitri Staessens and Sander Vrijders. "On Load Management in Service Oriented Networks". IEEE Cloudnet 2016, October 2016.
- Peyman Teymoori, Michael Welzl, Stein Gjessing, Eduard Grasa, Roberto Riggio, Kewin Rausch, Domenico Siracussa: "Congestion control in the Recursive Internetwork Architecture (RINA)". IEEE ICC 2016, Next Generation Networking and Internet Symposium.
- Fatma Hrizi, Anis Laouiti, Hakima Chaouchi; "SFR: Scalable Forwarding with RINA for Distributed Clouds". 6th international conference on the network of the future (NOF 2015), Montreal, October 2015.
- VESELÝ Vladimír, MAREK Marcel, HYKEL Tomáš and RYŠAVÝ Ondřej. "Skip This Paper RINASim: Your Recursive InterNetwork Architecture Simulator". In: Proceedings of 2nd OMNeT++ Community Summit. Ithaca, NY: Cornell University Library, 2015, pp. 1-4. ISSN 2331-8422
- VESELÝ Vladimír, MAREK Marcel, HYKEL Tomáš, RYŠAVÝ Ondřej, LICHTNER Ondrej and JEŘÁBEK Kamil. "Deliverable 2.6: RINASim - advanced functionality". Brno, 2015
- VESELÝ Vladimír, MAREK Marcel, HYKEL Tomáš, RYŠAVÝ Ondřej and LICHTNER
 Ondrej. "Deliverable 2.4: RINASim basic functionality". Brno, 2015

References

- Project PRISTINE
 - http://ict-pristine.eu/



- RINASim
 - https://github.com/kvetak/RINA
 - https://opensourceprojects.eu/p/pristine/rinasimulator/



