

PegaBX

The PowerPC based pbx

Complete IP and Conventional Telephony/Videophony
Solution

Introduction

- PegaBX is a solution imagined by Fabiano Domeniconi as a following to the first project, running a soft-pbx from a Pegasos I based board.
- With the announcement of its new product line, Genesi has launched an online Projects zone. This enables developers/engineers to work on these products while promoting them to the public.
- The new products have been carefully chosen to fit every possible industry application.
- Therefore, I imagined a line of products based on Open Source software and Genesi hardware to create a complete Soft-PBX solution.

Purpose

- The main purpose of such a product is to enable corporate and private users to have a low-cost, very reliable telephony/videophony solution.
- The advantage of using the Genesi line of products is that every of their products fits a type of PegaBX application.
- The PPC 970MP supports frequency scaling and CPU core shutdown for energy economy (~40W) which is perfect for this type of application.

Scalability

- The EFlKA board is a perfect fit for desktop communication
- The ODW/OSW is particularly adapted to Small and Medium businesses
- The HDB is the best choice for a scalable product. Installing more blades makes it ultimately scalable and fully redundant (n+1).

Position

- This product can be the first of its kind. Not that there are no possible alternatives to it, but the combination of what constitutes it makes it unique.
- By choosing this line of products, complete compatibility is assured, as well as detailed and precise support because of the unique architecture.
- PegaBX features many easy to use tools as well as a simple GUI frontend for managing most of its features. Which means that inexperienced users can use PegaBX with a relatively short learning curve.

Solutions

- Home/Corporate client : EFIKA 5K2
- Home/Corporate server : OSW/ODW
- Corporate scalable server : ODW/HDB

References

- Asterisk description : <http://www.freecode.no/software/art.html?catid=16&artid=30>
- Asterisk scalability : http://www.skyyconsulting.com/itsp_voip_asterisk.php

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