ByStar Libre Emacs Environment (BLEE)
A User Environment For The ByStar Halaal Digital Ecosystem

Document #PLPC-180004
February 01, 2011

Article and Presentation Available on-line at:
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About This Document

This document has been web published as PLPC-XXX. The access page for this document is: It is available in pdf format at: xxx and as html at: yyy

The ByStar User Environments Model

Emacs is far more than just an editor. Viewing Emacs as an Editor Centered User Environment is only the beginning of recognizing its power. Beyond a user environment, we have been using Emacs as Software-Service Integration Framework for many years. We are now in the process of packaging the entire environment as the ultimate User Environment For the Software-Service Continum. This package we call BLEE. The By* Libre Emacs Environment. Blee goes beyond Emacs by fully integrating Emacs and Firefox/Iceweasel and all of Linux apps underneath it. BLEE features include: Emacs ¡-¿ Firefox (two way integration) Inside of Firefox: edit everything through Emacs, Send emails using Emacs+Gnus, Inside of Emacs: write html and view it in native firefox in realtime, View all your Gnus email messages in full html in firefox, Think of Emacs and Firefox as joint sisters. They are all you need. Incredible Email capabilities Built on top of Gnus. Awsome Multi-Mailbox and Multi-Address support provided with ByStar. Great Anti-Spam capabilities, Search Capabilities, Scoring based on full integration with the address book. Mailing lists access through News with Gmane. Organizational Tools the likes of which exists no where else: Address Book: bbdb (Big Brother DataBase), Calendar/Diary, Org Mode: To Do Lists, Worklogs, Dynamic Blocks, Full Integration With dict (Multi-Lingual Dictionaries, Thesarus,), Powerfull templating systems and Abbreviations. Fully Multi-Lingual (m17n). Emacs 24 now includes bidi (bidirectional editing). That means in addition to Latin being native, now Perso-Arabic script is also native emacs. Of course, Music (emms) and tons of games. And all of this we will show you. This talk will for the most part be interactive demos.

Applicability

- ByStar Emacs User Environment
- ByStar Gnome User Environment
- ByStar Browser User Environment

Supported Form Factors: Desktop, Laptop, Netbook, Handset

ByStar Autonomous Libre Service: ByName, ByFamily, ByAlias, ByMemory, BySmb, ByWhere

The ByStar Autonomous Libre Services Model

This documents Autonomous Libre Services and access to the services through the browser.

Usage through BUE is described in xxx.

Applicability

ByStar Autonomous Libre Service: ByName, ByFamily, ByAlias, ByMemory, BySmb, ByWhere

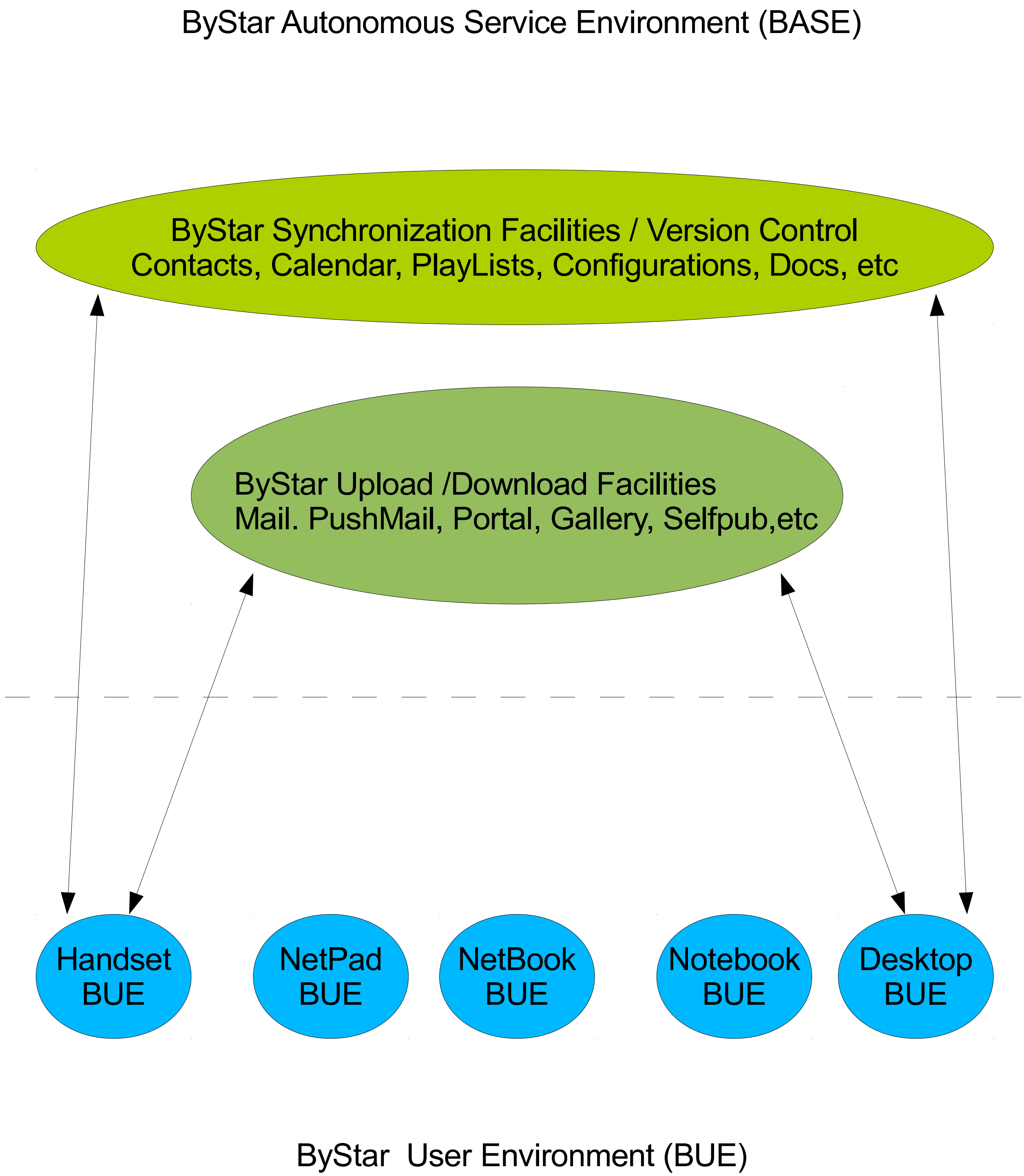

Figure 1: BaseBueModel

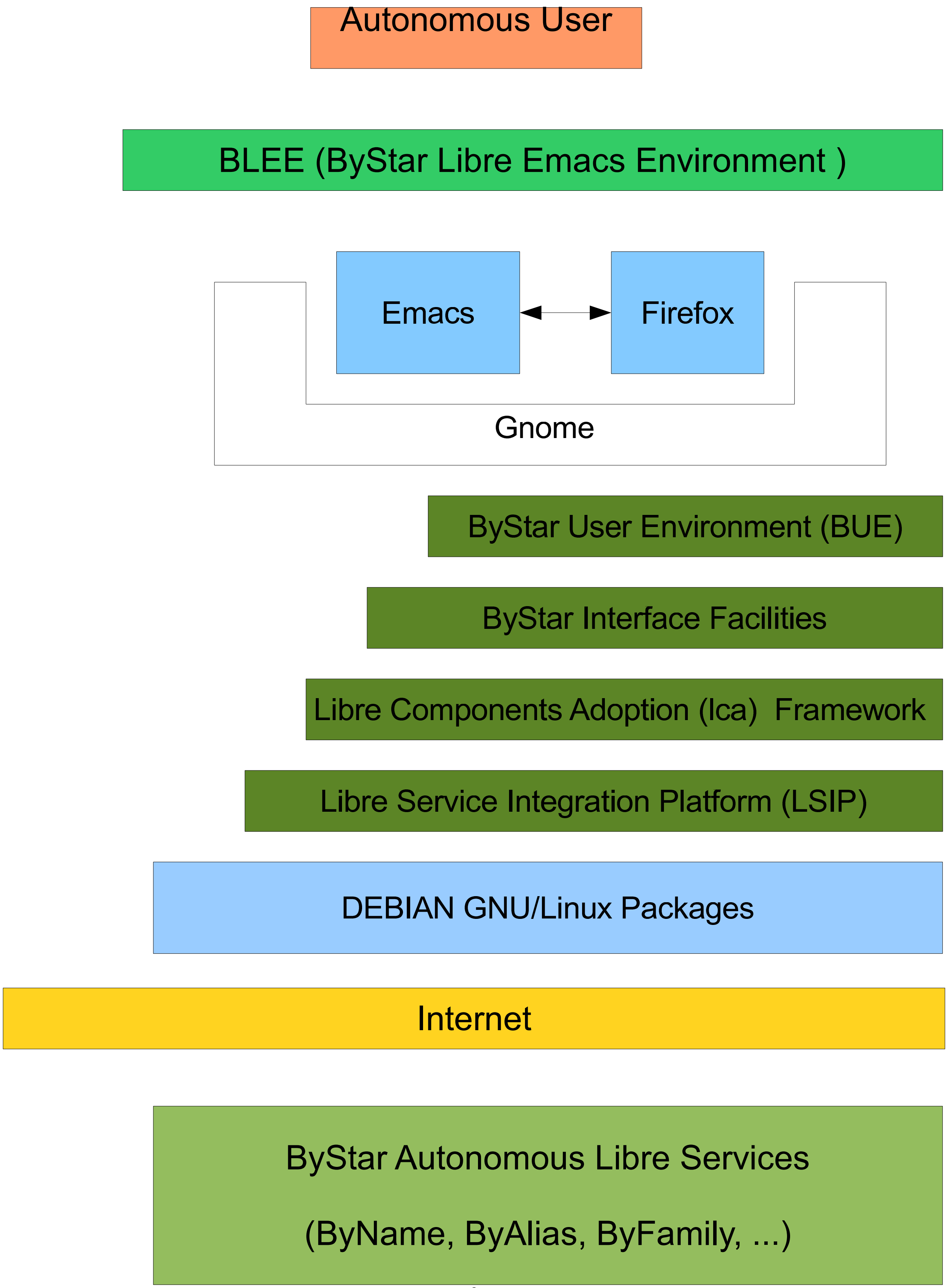

Figure 2: BleeModel

Key Concepts

- ByStar Account (sa-20000)
- ByStar Account Fully Qualified Mail Address
- ByStar Account Fully Qualified Domain Name

Terminology

- BARBD – ByStar Account Requested Base Domain – Passed to BARC
- BAABD – ByStar Account Assigned Base Domain – Passed to BARC
- Primary, Secondary, Alt, ...

Part I

ByStar Email Facilities

1 ByStar Email Model

1.1 Relevant Literature

- End-to-end Arguments in System Design http://web.mit.edu/Saltzer/www/publications/endtoend/endtoend.pdf

[2] are also included in the References list in article format.

1.2 Multi-Address Multi-Mailbox Paradigm

- Use of purposeful addresses in the from line
- ...

2 Squerrelmail: ByStar Web Based EMail Environment

2.1 Email Origination

Part II

ByStar Web Facilities

3 Plone 3

3.1 Relevant Literature

- Plone http://www.plone.org

[1], [3] are also included in the References list in article format.

3.2 Interactive Plone

Figure **??** shows ...

Part III

ByStar Photo Gallery

4 Gallery Upload

4.1 Gallery Folder Upload

- ftp from Droid

Part IV

ByStar Genealogy

5 Geneweb

5.1 Gallery Folder Upload

- ftp from Droid

Part V

ByStar Music

6 Music

6.1 Overview

- Bystar Music as a Web Service – Described Here
- Bystar Music as part of User Envirenvironment – Described in PLPC-180002

At this time, the entire music related information is maintained in PLPC-180002.

7 Introduction

See these other relevant documents.

Model doc.

Stable Doc.

This Development doc.

8 Send Mail

Introduction to Sending Mail. Weave in with the menus

9 Reading and Processing Mail

Introduction to Reading and Processing Mail. Weave in with the menus.

9.1 Gnus Level Facilities

```
l    List all groups that have unread articles.
     With numeric prefix and lower.

L    List all groups With numeric prefix and lower.

A l
    List all unread groups on a specific level.
    With a prefix, also list the groups with no unread articles.
```

9.2 ByStar Level Conventions

```
0- unused

1- Urgent:  text, urgent, mobile,

2- Important / Noraml / Usual

3: Confirmation/Exceptions  /Spam (attention)

4: Reports/FYI/ Self Originated: Archives / References / Bookmarks /Sent /Record --

5: Lists Primary
```

9.3 Address to Final Delivery Mail Box (FDMB) Mapping

9.3.1 Address and Fdmb Purposes

```
* Syntax
========
  - address@
  - [fdmb]  -- no spam protection
  - (fdmb)  -- spam protected
  - <level> --

** fdmb to address mapping and purposes
---------------------------------------

[.]       main@
           Purpose:

[test]    test@
           Purpose:

[text]    text@
           Purpose:

[school]   kid@ kids@ shs@ tillicum@
           Purpose:
```

10 Blee Self Publication Facilities

Introduction to Blee Self Publication Facilities. Weave in with the menus.

10.1 Creating A New Document

```
- lcnLcntGens.sh -n showRun -p cntntRawHome=. -e "Start Blank" -i lcntBaseStart ttytex main
```

```
- Assign a number
echo /lcnt/lgpc/bystar/permanent/usage/blee/main.ttytex >> /lcnt/lgpc/bystar/SOURCE-INFO/permanent.reg
Then assign a number in: /lcnt/lgpc/bystar/SOURCE-INFO/permanent.reg

- lcnLcntGens.sh -p cntntRawHome=. -i lcntRefresh

--   This generates the LCNT directory with
      default content.
--  Creates lcntProc.sh

- Then customize the ./LCNT-INFO Directory

  cd LCNT-INFO

  At a minimum edit:
        mainTitle
        subTitle
        subSubTitle
        shortTitle
        description

- lcnLcntGens.sh -p cntntRawHome=. -i lcntBaseConfig article

- Edit the document -- Run dblock

- Run ./lcntProc.sh
```

10.2 Creating A New Document

10.3 Creating A New Document

11 Bugs and Todos

Bugs and Todos go here.

12 Ideas

Ideas will be captured here.

And here we go.

References

[1] Andrew Hammoude " " Mohsen BANAN. " lessons from history: Comparitive case studies ". Permanent Libre Published Content "100017", Libre Content, "August" 2000. http://www.freeprotocols.org/PLPC/100017.

[2] J. Kempf, R. Austein, and IAB. The Rise of the Middle and the Future of End-to-End: Reflections on the Evolution of the Internet Architecture. RFC 3724 (Informational), March 2004.

[3] D. Thaler and B. Aboba. What Makes For a Successful Protocol? RFC 5218 (Informational), July 2008.