

Rexx-based Intranet



Johann F. Taschler
University of Applied Sciences Vienna

Introduction

University of Applied Sciences Campus Vienna (short "Campus")

- New type of Institution in Austrian education system
- Sort of a "private" University
- Studies last shorter than at normal Universities (usually 4 years)

The "Campus"

Actually offers following program courses in four departments:

- Technology Department
 - Information Technology & Telecommunications
 - Technical Project- and Process Management
- Life Sciences Department
 - Social Science Fulltime
 - Social Science Parttime
 - Social Science in Urban Areas

The "Campus" (2)

Actually offers following program courses in four departments:

- Biological Department
 - Biotechnology
 - Bioengineering
- Constructional Sciences Department
 - Constructional Engineering
 - Construction Management

The "Campus" (in Numbers)

Actually (May 2004) we have

- ~ 1.500 students
- ~ 200 lecturers
- 50 persons employed staff
- ~ 15 persons part time project work
- ~ 200 network clients (+ ~1.300 students notebooks)

Cause for the Project

➤ Campus History

- Every program course once were an own instution, having their own systems, programs, workflow and Sys-Admins.

➤ Locations

- Locations on several places all over vienna, with distances btw. 400 meters and 1.5 hours per car.

➤ Missing Processes and Tools

Project Targets

- Workflow unification
 - Provide Users with standardized tools for their tasks, automatically keeping in-house processes.
- OS Independence
 - Get most of the Users work done using a browser, eliminating the need of a specific OS (or Office-Product) in Administrations.

Rexx at the Campus

➤ Actual

- Intranet Project
- System administration and automating tasks
- Some GUI-Tools
- Time-Logging System

➤ Future

- Improve practical education of students by teaching the use and advantages of a scripting language, especially one available on several platforms

Current project state

- First production release started with May 2004
- Available programs for all users
 - ePM - elektronische Problemmeldung (simple trouble ticket system)

Current project state (2)

- Available programs for HR-Department
 - PEV - Personalverwaltung
 - KSV - Krankenscheinausgabe
 - UKZ - Urlaubs-/Krankenstand- / Zeitausgleichs- verwaltung
 - Parkplatzverwaltung

Current project state (3)

- Available programs for IT-Department
 - ePM-Man - simple trouble ticket management
- Accessable only from inside campus network for security reasons. Data that must be accessed from outside the network is stored in another system.

Future (1)

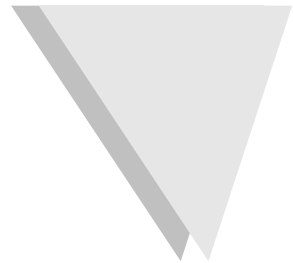
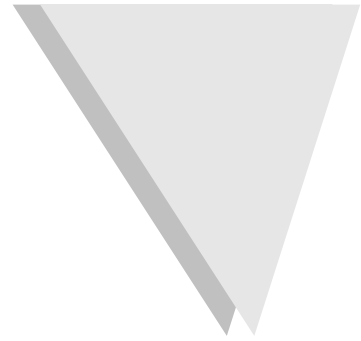
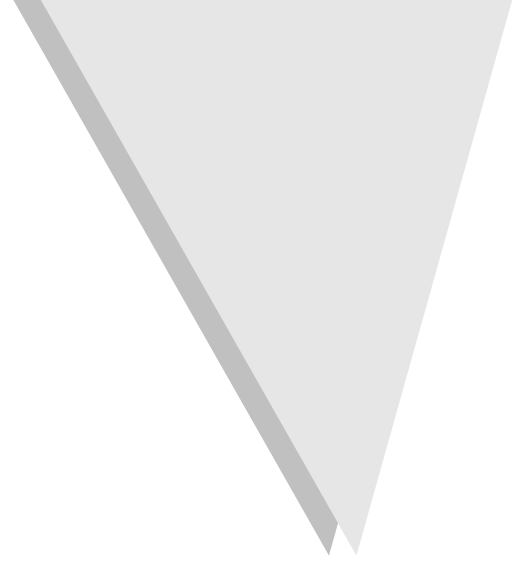
- Use the Intranet as central platform for information transfer (news), access to company process documentation and administration tasks for all program courses and departments.
- Planned programs (unsorted list ;-)
 - Time-Logging process support
 - Campus Locator (with eCS Time Terminals)
 - Project Time Tracking (internal Projects)
 - News Manager, giving Users the ability to publish news

Future (2)

- Planned programs (unsorted list ;-)
 - CMS Functionality
 - Inventory Management
 - and a lot more!
- Perimeter Projects
 - Time Terminal (Rexx based) & Access Control
 - Inventory

A closer look to..

Campus Intranet



Technology General

- REXX-capable Webserver (GoServe, Apache with mod_rexx)
- Database supported by REXX-Interface
- REXX-Interpreter
- some HTML-Knowledge

Tech used for Presentatation

- GoServe with os2forfl-filter
- MySQL
- RexxSQL
- eComStation with built-in Rexx
- a lot of coffee and cigarettes in preparation ;-)

Consultingman / Original: "Piano Man" (Billy Joel)

It's 3 o'clock on a Saturday,
The regular crowd shuffles in.
There's a man on the terminal next to me
Making love to his Z-19.

He says, "Son can you unlock my terminal?
I can't quite remember which key.
Is it blue, is it gray, or escape and then A,
I've tried everything but control-G."

La de da dee dee daaa...
Tell us the trick, oh, Consultingman,
Tell us just what to do.
The computer goes down early Saturday,
And we've only an hour or two.

Well, Syd at the Lab is a friend of mine,
And he'll loan me EXECs for a fee.
And he's quick with a TELL,
And a SENDBLOK as well,
But there's someplace that he'd rather be.

He says, "Dan, I believe this is killing me,"
As he writes pornographic EXECs.
"I could earn so much more with a Ratty shift,
If I weren't so addicted to REXX."

Now Al is the Rock and Prince manager
Who schedules for maximum strife,
And he's talking to Claude who thinks Peter is odd,
And will probably think so for life.

And the monitor's practicing politics
As the CS1 kids start to cry.
Using PASCAL techniques called futility,
Typing "input" instead of just "i."

chorus

It's a pretty good crowd for a Saturday,
The waitlist monitor gives me a smile.
Because he knows that it's me they've been coming to see
To consult about SCRIPT for a while.

The terminal beeps like C3-PO,
And the freshmen talk like R2.
The computer goes down, and they gather around,
And I tell them there's nothing to do.

chorus & fade