Python, the IT management “Esperanto”

Produban Corporation
Produban Overview
Our Environment
# Produban @ glance

**PRODUBAN WORLD WIDE**

- +5 K Employees
- +200 INTERNAL CUSTOMERS

**MANAGED INFRASTRUCTURE**

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<tr>
<th>BRANCHES</th>
<th>+14 K</th>
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<tr>
<td>PCs</td>
<td>+281 K</td>
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<td>POS</td>
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<td>ATMs</td>
<td>+39 K</td>
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<td>MAINFRAME</td>
<td>186,000 MIPS</td>
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<td>4.4 PB</td>
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<td>SERVERS</td>
<td>+45 K</td>
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<td>STORAGE</td>
<td>+40 PB</td>
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Name it: We have it.
Huge regulatory framework... and growing
Winds of change

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Solutions
Standardization, Industrialization and Automation

- **X86 REFERENCE ARCHITECTURE**
- **PRIVATE CLOUD REFERENCE ARCHITECTURE**
- **PRODUBAN MANAGEMENT FRAMEWORK**
- **CLOUD END USER SERVICES REFERENCE ARCHITECTURE IT as a SERVICE**
OpenSource Initiatives

- redBorder
- CENTER OPEN MIDDLEWARE
- viapps
A long last mile
We’re not a software company but...
Why?

- Remember: we’re not developers
  - Dynamic typing is cool
  - Laziness: write less code

- We do care our infrastructure
  - Java is cool for portability not efficiency / low latency exec
  - And what about C++? Sure, we do it on assembly all the way long
  - Perl? See the next point
Why?

- Only way way to do it... but do it right.
  - Help me to unify the way we do.
  - Ruby? One way... despite _PythonAndRubyAreConverging_

- There is a lot of sysadmin related contain
  - Just the OS module makes make day.

- So... _The Zen of Python!_
Work in progress

P-API
A main library of common use ‘last mile’ functionality and integration helper

Automation Community
Online tools & Evangelism

Building Content
Sysadmins are selfish ♡
Questions?

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