Perl 6

Dave Cross Magnum Solutions

• Why Perl 6?

- Why Per/ 6?
- Design Process

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- Parrot
- PONIE

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- PONIE
- Effect on Perl 5

Why Perl 6

The Story of the Cups

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- OSCON 18th July 2000, Monterey, California
- Perl 5 Porters meeting
- Jon Orwant

The Story of the Cups

- OSCON 18th July 2000, Monterey, California

The Aftermath of the Cups

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• OSCON 19th July 2000, Monterey, California



The Aftermath of the Cups

- OSCON 19th July 2000, Monterey, California
- Larry Wall's "State of the Onion" speech
- Announces development of Per2 6

Design Process

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- http://dev.perl.org/perl6/rfc/

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- Examples of "real" Perl 6 code

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Exegeses

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- Written by Damian Conway
- Examples of "real" Perl 6 code
- "The sky is not falling"
- http://dev.perl.org/perl6/exegesis/

- Much discussion takes place on mailing lists
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 - http://dev.perl.org/perl6/list-summaries/







• Improved "regular" expressions

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 - Now a fully-fledged parser
- Ability to define task specific "mini-languages"
- Better Objec2 Orientation
- Various other things that are stolen from languages that weren't around to steal from when Perl 5 was designed!
- "Auto-conversion" of Perl 5 programs
- New virtual machine Parrot

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Parrot is a

- Parrot is a virtual machine used to efficiently execute bytecode for dynamic languages
- Parrot will be the core of the Perl 6 compiler
- It will be Perl 6's target platform
- Other languages will be able to target Parrot too
- http://www.parrotcode.org/

Perl On New Internal Engine





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- Implementing a real language in Parrot
- A real test that Parrot is up to the job

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 - Perl6::Parameters
 - ♦ Perl6::Variables
 - ♦ Perl6::Rules
 - Many more...

Conclusion

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- It's6e6very exciting tim 6to o 6involved with Perl
- The next couple of years will o 6even more exciting