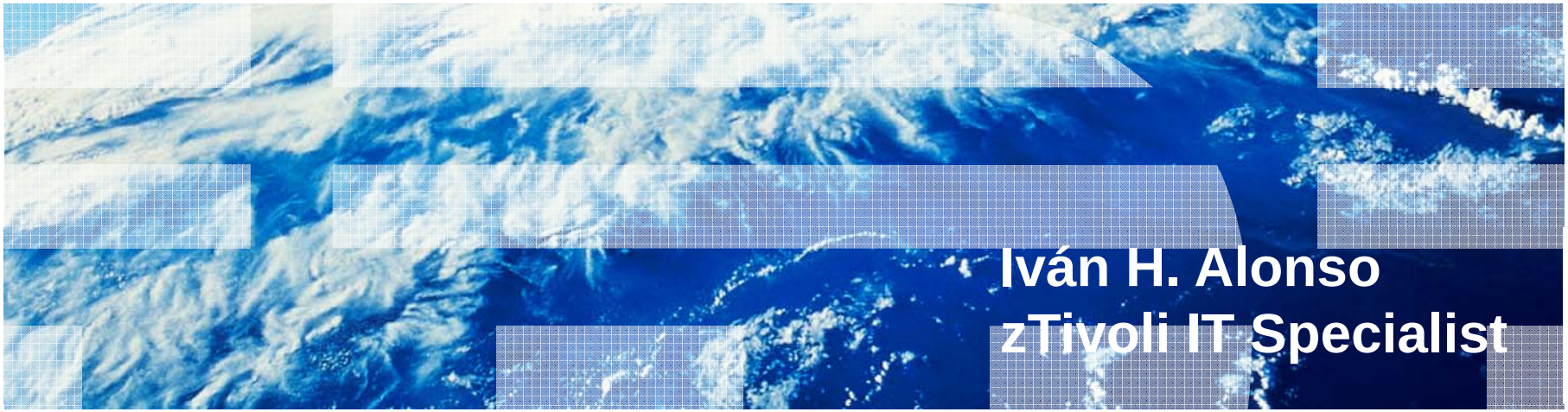
Performance Analisys & Capacity Planning

3 de Marzo, 2010



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Performance Analysis

- Determines the state of the configuration prior to capacity planning.

Capacity Planning

- Helps you plan for the future with a clear understanding of your true IT capacity requierements.

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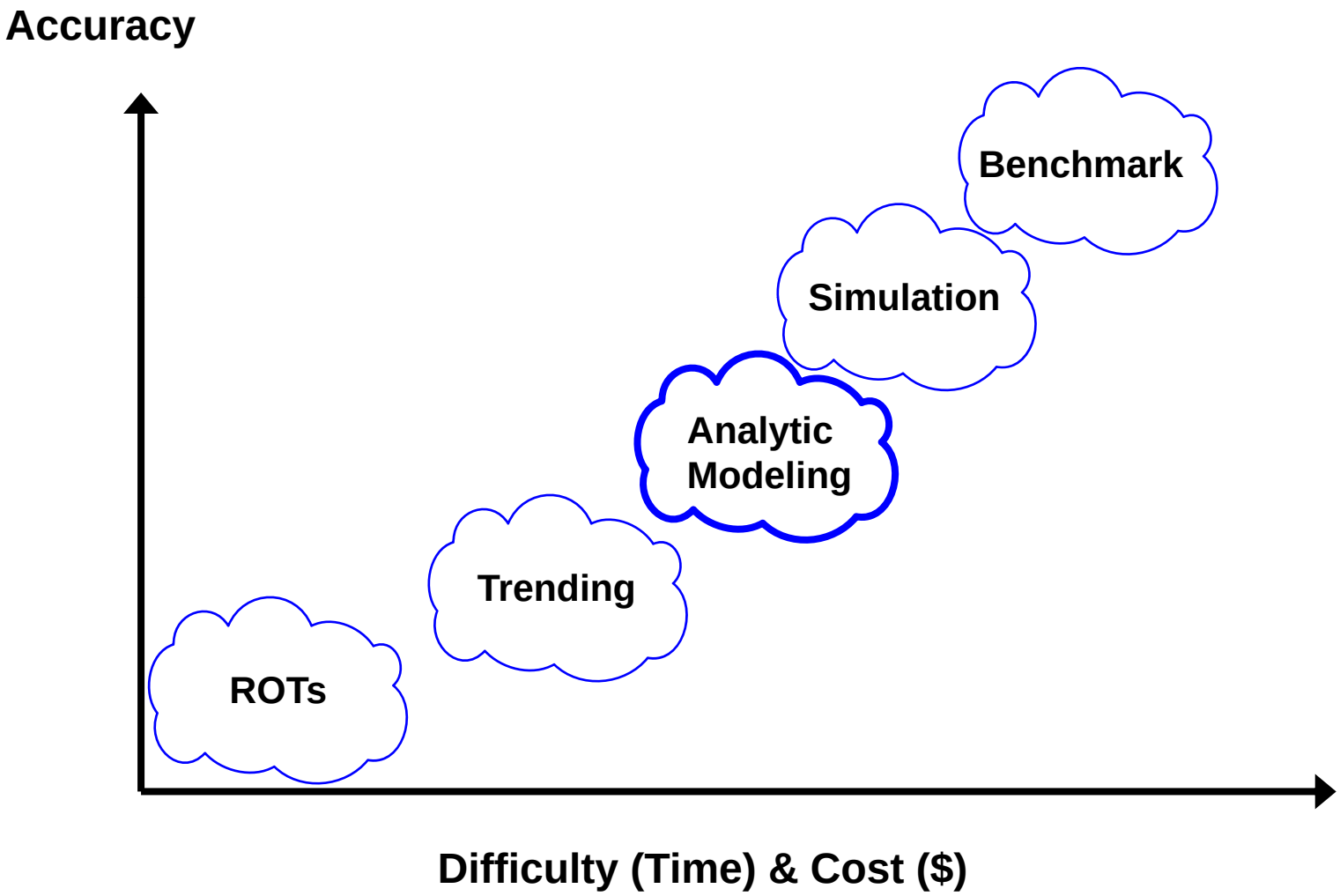
Capacity Planning Alternatives

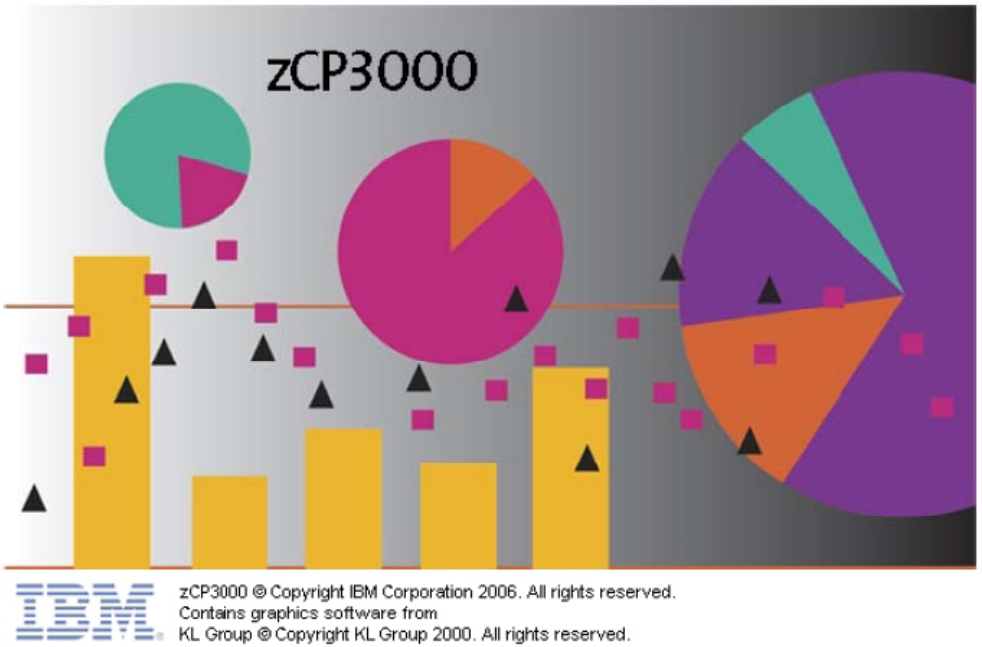


Capacity Planning Alternatives

- **Rules of thumb**
  - **Based on experiences that currently work in other customers. Also includes tunning.**
- **Trending. Published guidelines**
  - **Predicts the future if the future looks like the past**
  - **Can answer overall CP questions**
- **Analytic Model**
  - **Use formulas. May be linear or may use queing theory**
  - **High level view of a total system**
- **Simulation**
  - **Simulate events that occur in a processor or network. Snap Shot**
- **Benchmark**
  - **Requires that HW be installed, databases be created and programs be running**

Analytic Model

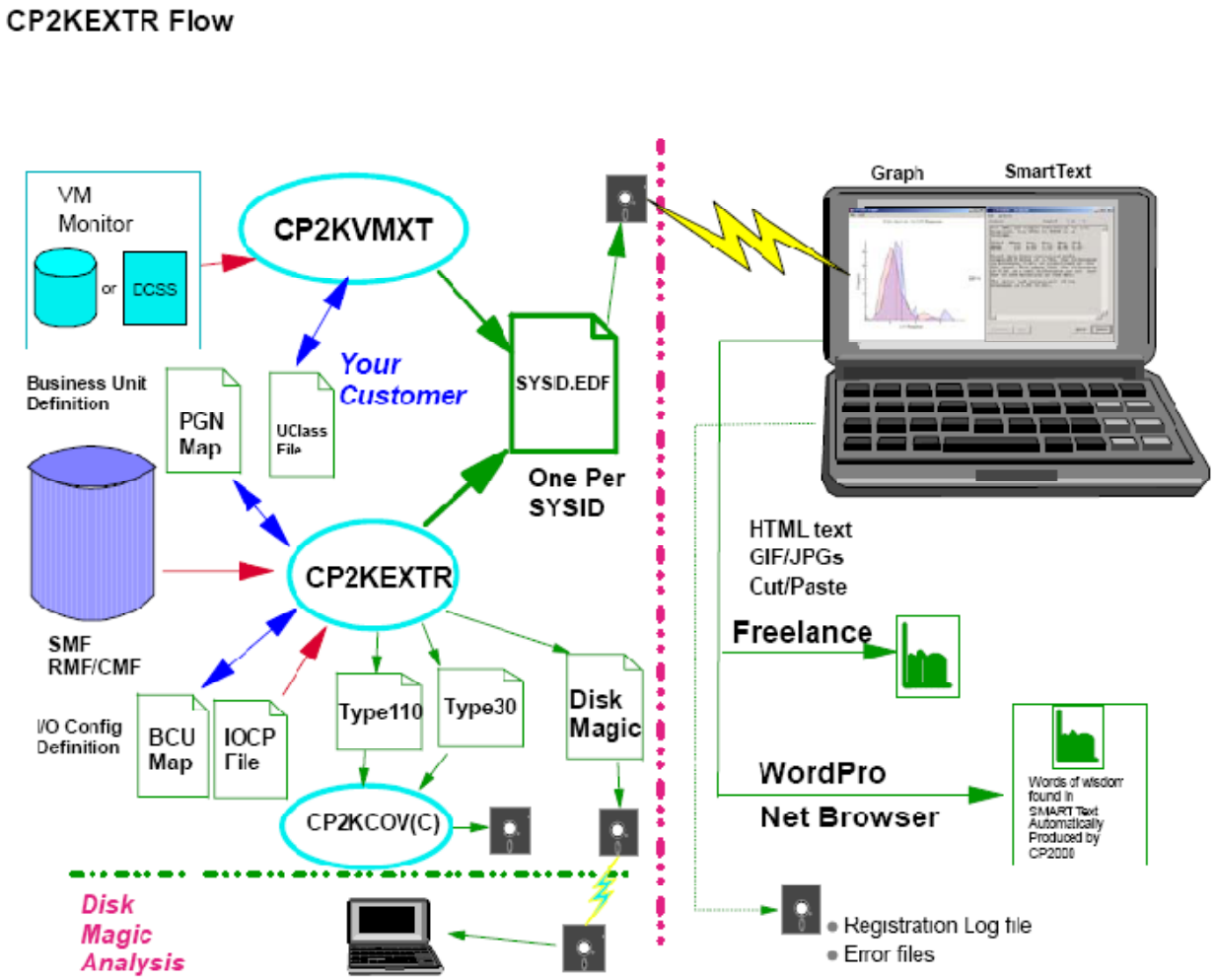
- **zCP3000**



–Tool for performance analysis and capacity planning on zSeries and System z

–Requires a data extraction program: CP2KEXTR

Data Extraction Program (CP2KEXTR)



More tools:

- zCP3000
- zPCR (z Processor Capacity Reference)
- zTPM (Tivoli Performance Modeler)
- zTDS (Tivoli Decision Support for z/OS)
- BWA (Batch Workload Analysis)
- SnapShot

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