

# ccNSO Tech Day

*Balance your Technical Needs and  
Investment*

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RegistryASP

You are running a ccTLD.

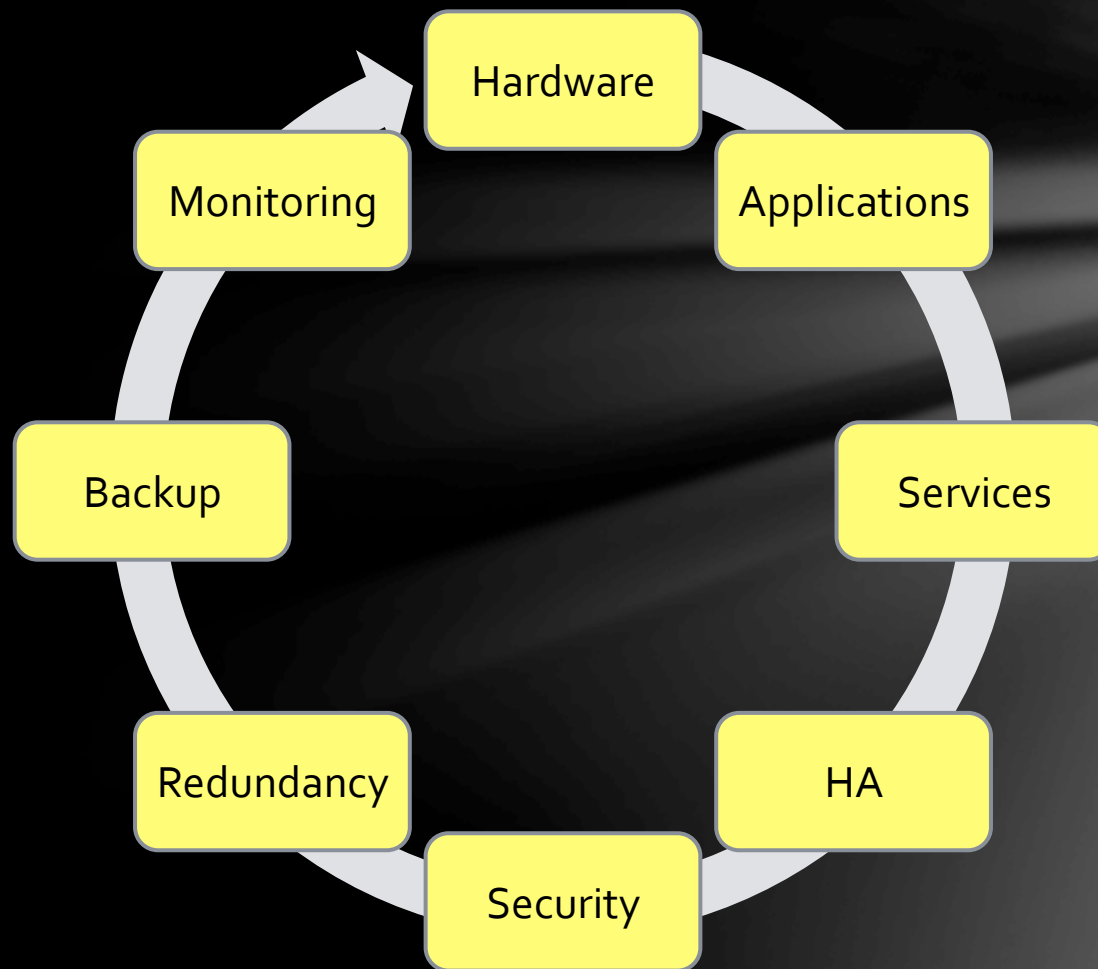
You think Your extension can sell 100k names

You have 3000 domains now

What kind of investment is required?

What if my registry has 100k names now

# Why infrastructure is EXPENSIVE?



# Do I Need These?

Answer is

**YES**

Question:

Do you have any legacy services?

But how much should I invest?

Can I implement in stages?

# IDEAL SETUP

Browsers



Smart Phones



High Availability  
Load Balancer  
Firewall  
IPS



External Monitoring

Redundant Site

Multiple Providers  
AnyCast DNS

Multiple ISPs

## Office

HA HelpDesk Servers

HA CRM Servers

## Data Center

HA Web Servers

HA EPP Servers

HA WHOIS Servers

Business Intelligence

HA Enterprise Bus

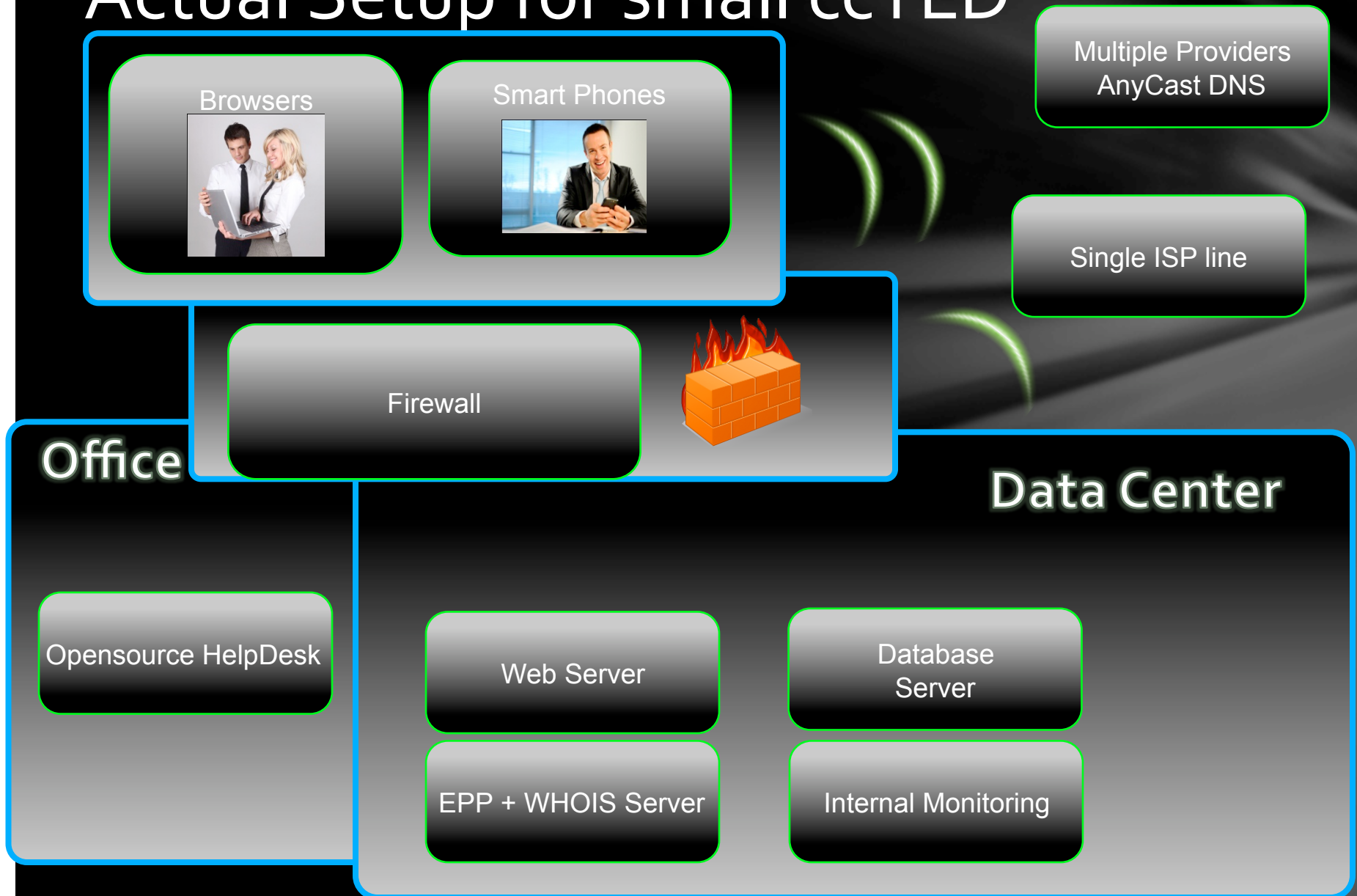
Internal Monitoring

Clustered Database Servers

Fiber Connected  
SAN Storage

Data Backup

# Actual Setup for small ccTLD



# Myth

The more domain names in the system, the more investment is required

**TRUE** ..... PARTIALLY

Every system has a maximum capacity

Primary factor is the risk

more domains, more risk

# Risk Assessment

Risk for Small ccTLD and Large ccTLD

is actually **EQUAL**

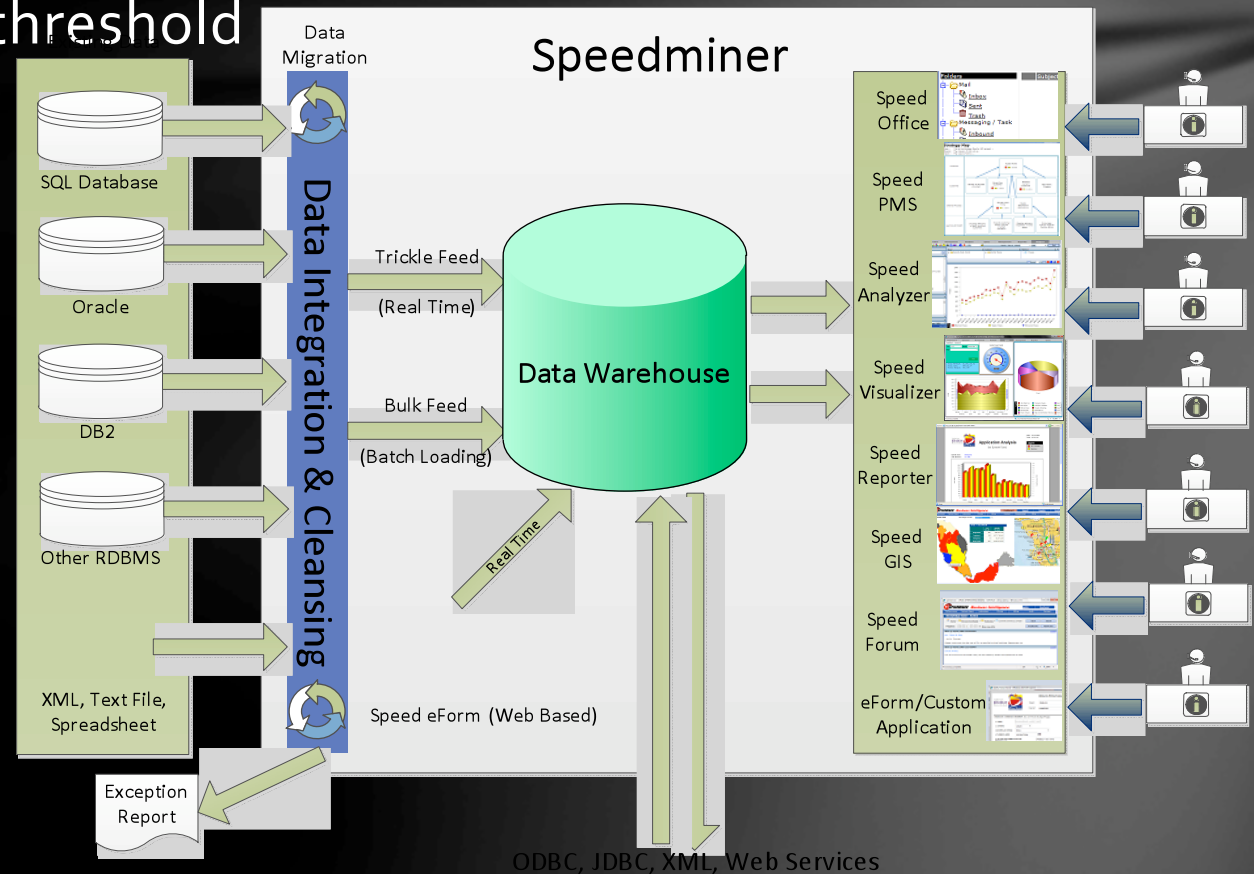
Under same rules and policies

Tough to be small ccTLD administrator



# Data Collection and Insights

- Collect data from multiple source to assess risk
- Present data in KPI format
- Set alert for risk threshold



# Intelligent Alert

Speedminer - DEMO - SMSTRAK - Microsoft Internet Explorer

**SPEEDMINER BUSINESS INTELLIGENCE**    Dashboard    Report    Inquiry    Analyzer

Performance    Patient Mgmt    Laboratory    Clinical    Billing    Analysis    Departmental    Office    Audit    General

**Alert Notification**

**[6] General Alert**

	Message	Date
↑	Increase Episode Profit	22/03/2006
↑	Increase Lab TestSets	22/03/2006
↑	More Patients This week	22/03/2006
⚠	Check stock expiry	22/03/2006
↓	Reduction in outpatient ward	22/03/2006

**[2] Performance Alert**

**Performance Metrics**

- Lab Performance
  - Laboratory Tes

	Message	Date
↑	Increase in Lab TestSets	2006-02
⚠	No of TestSets is more than 5000	2006-02
⚠	TestSets has increased beyond 2000	2006-02

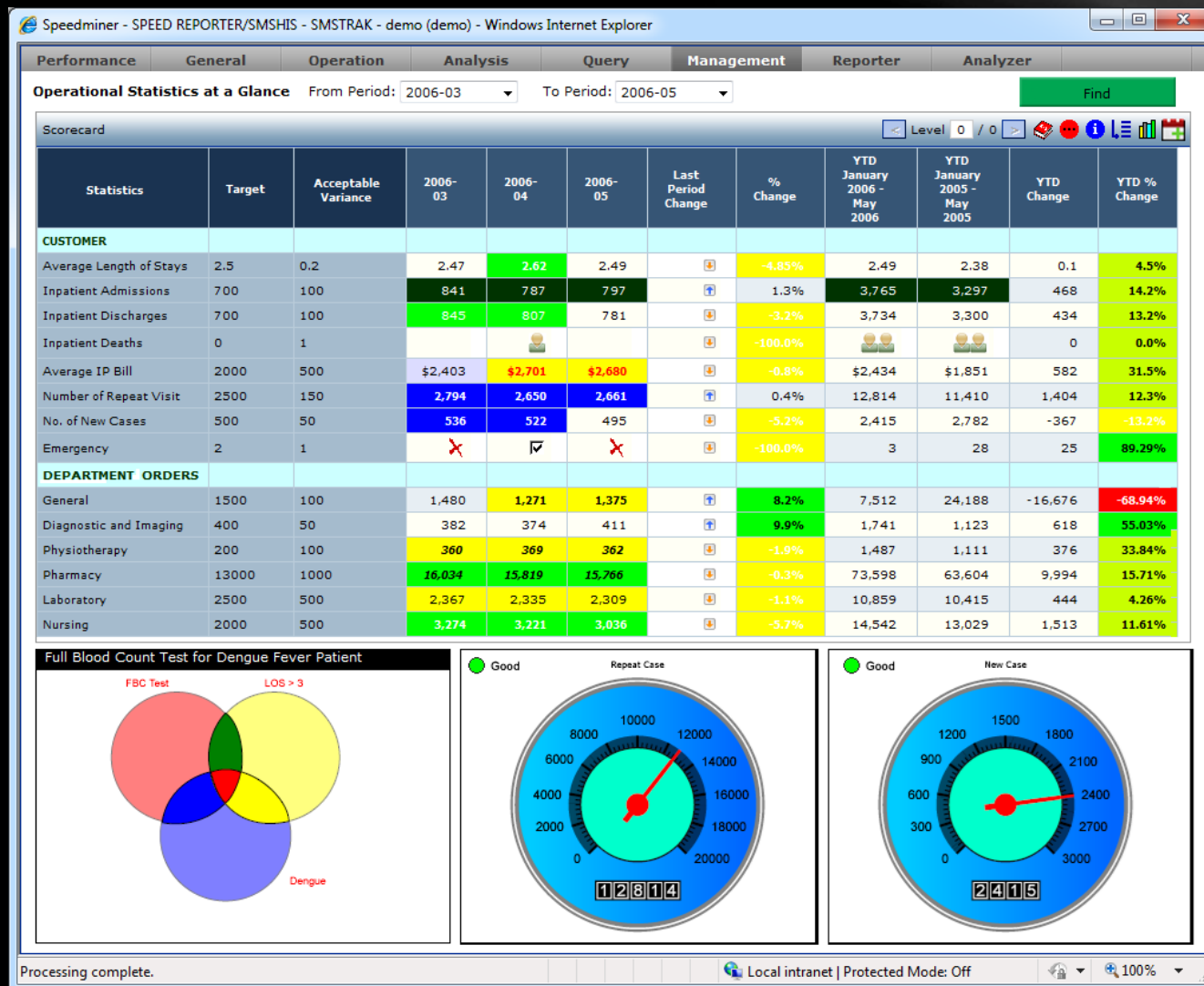
**[3] Metrics Alert**

Metrics	Value	Change	%Change		Date	Status
No of Inpatient	6908	-90	1.30284%	↓	2006-02	<input type="checkbox"/>
No of Outpatient	75931	2000	2.63397%	↑	2006-02	<input type="checkbox"/>
Episode Profit	158977.25	6610.25	4.15798%	↑	2006-02	<input type="checkbox"/>

Processing complete.    Local intranet

Based on Data Loaded, Alerts can be generated on records of certain pattern.

# Dash Board



# Conclusion

Collect Data, Identify Risk, Analyze Priority, Upgrade  
AROC, SROC

consultancy from the fundamental

Implement the right tools

Justify for the funds required

Management

Government

Grants

Apply to be identify as Critical infrastructure

# About Us



**Registry**ASP  
Registry-Registrar Solution

“We Work Harder” | “Adaptive, Secured, Proven”

# Thank You

## Questions and Answers

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