Co01

Best Practices: Domino App Migration/Modernization

Franz Walder, panagenda – May 24, 2022

Speaker

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Product Manager

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run more than **14 million licenses**

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About panagenda

We help our customers to …

… be more efficient.

… reduce manual effort.

… save cost.

Agenda

- **Consolidation**
  as the foundation of transformation
- **Key Questions**
  in your transformation project
- **Nomad (Web)**
  limitations and considerations

Consolidation

as the foundation of transformation

Your Notes/Domino environment …

… has grown over **many years or even decades**

… has had many admins and developers

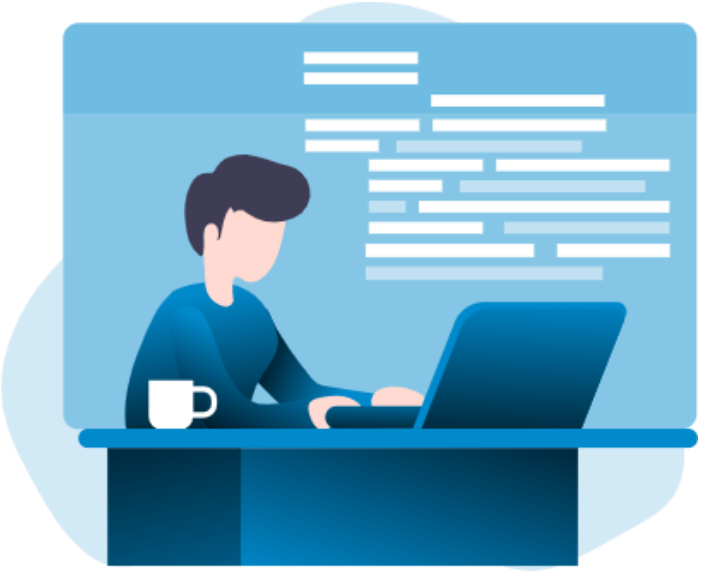
… has seen more re-organizations
than most of your current staff

Whatever your challenge …

- Modernization
- Migration

  to the Cloud

  to a different platform



… in the beginning **you need answers** to the same questions.

The Meta-Questions

- Which databases are unused and can be archived?
- For which applications do I have easy paths forward?
- What can be turned off asap? (license cost impact)

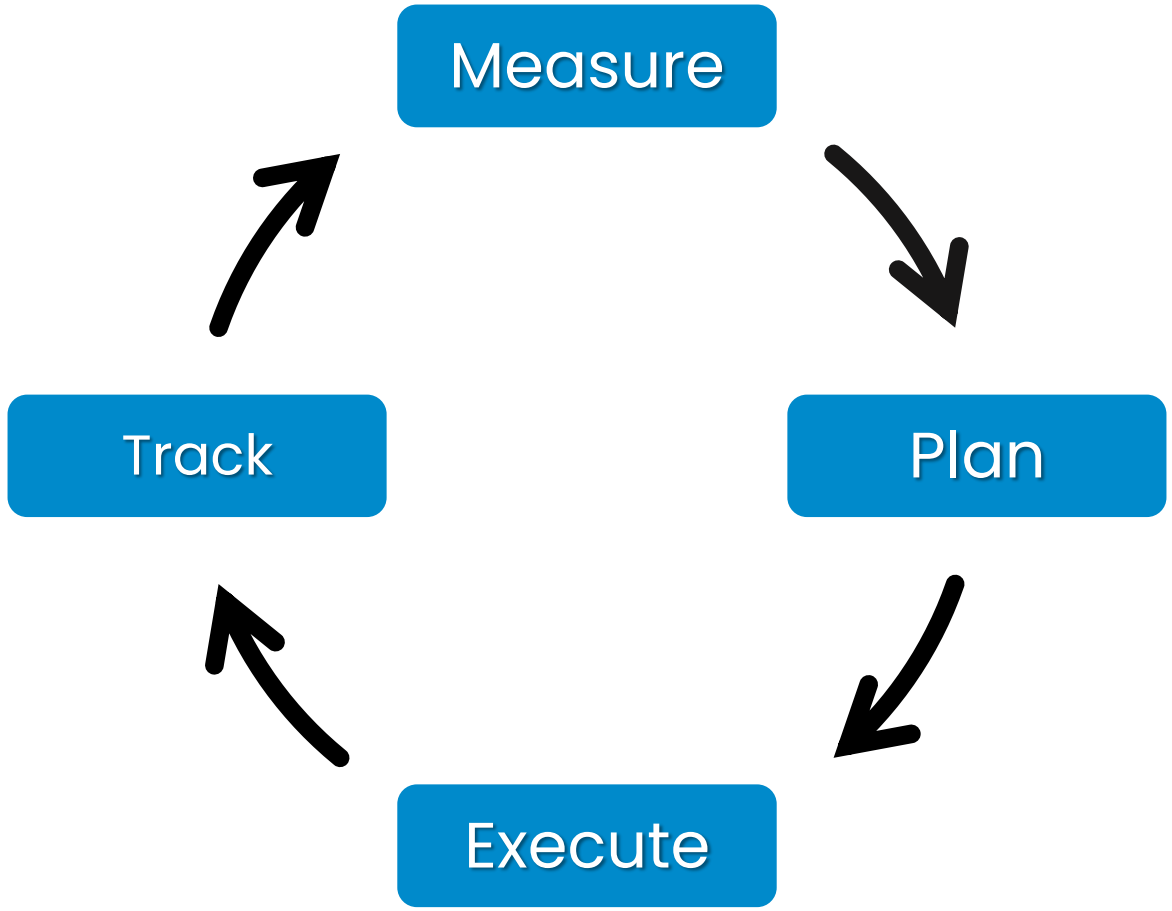
What helped us in projects

The right **Perspective**

A **Framework** to measure progress in

A good **Starting Point**

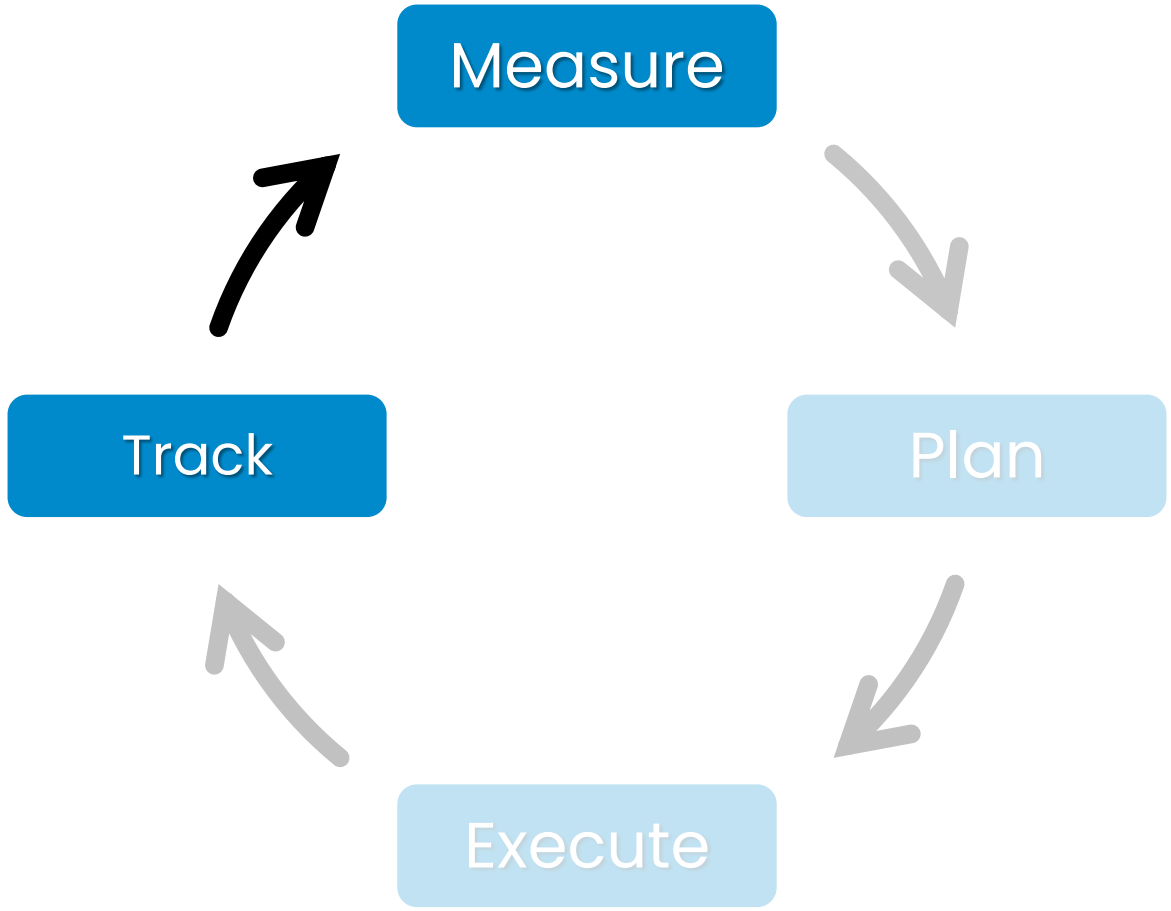
The ongoing process



Key Questions

in your transformation project

KPIs are your friend



A few terms to define

“Unused Apps”

Replica Sets (RS)

Unused DB instance vs unused RS

Observation period matters

A few terms to define

“Inactive Users“

Relevant vs irrelevant applications

Role/department matters

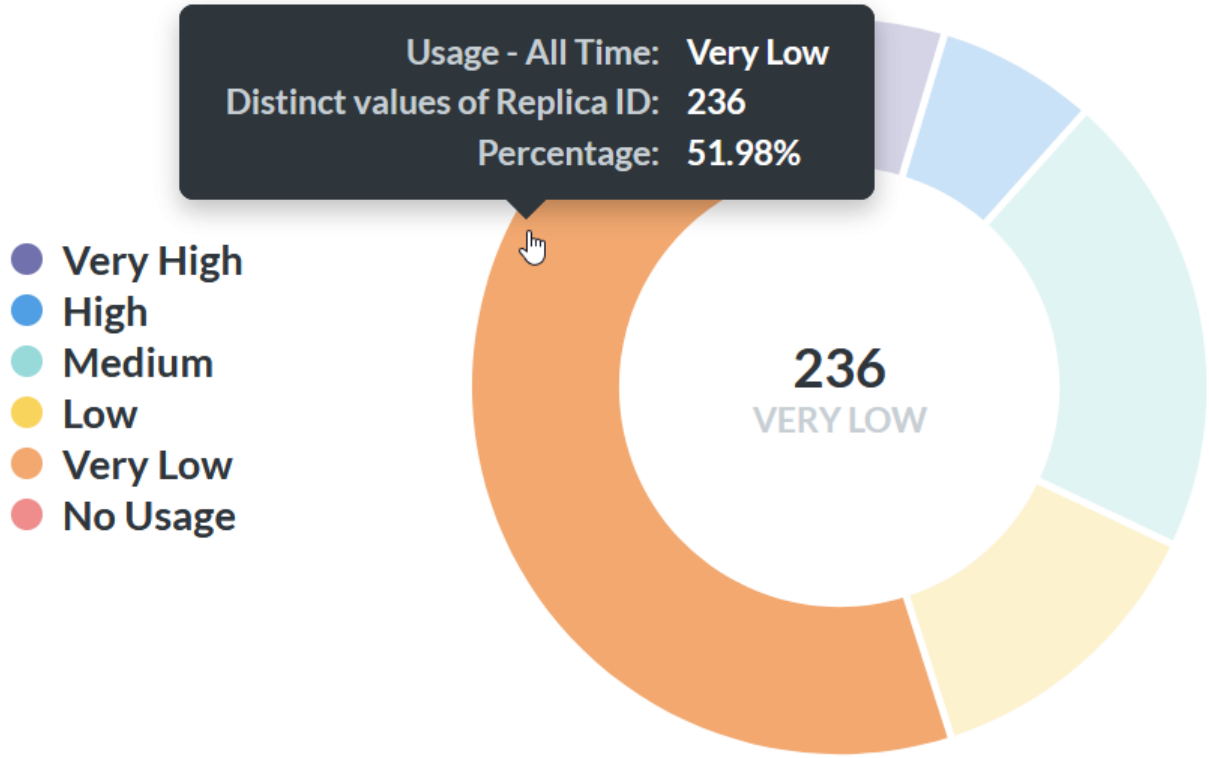
Application KPIs

Which/How many DBs can be excluded from my project?

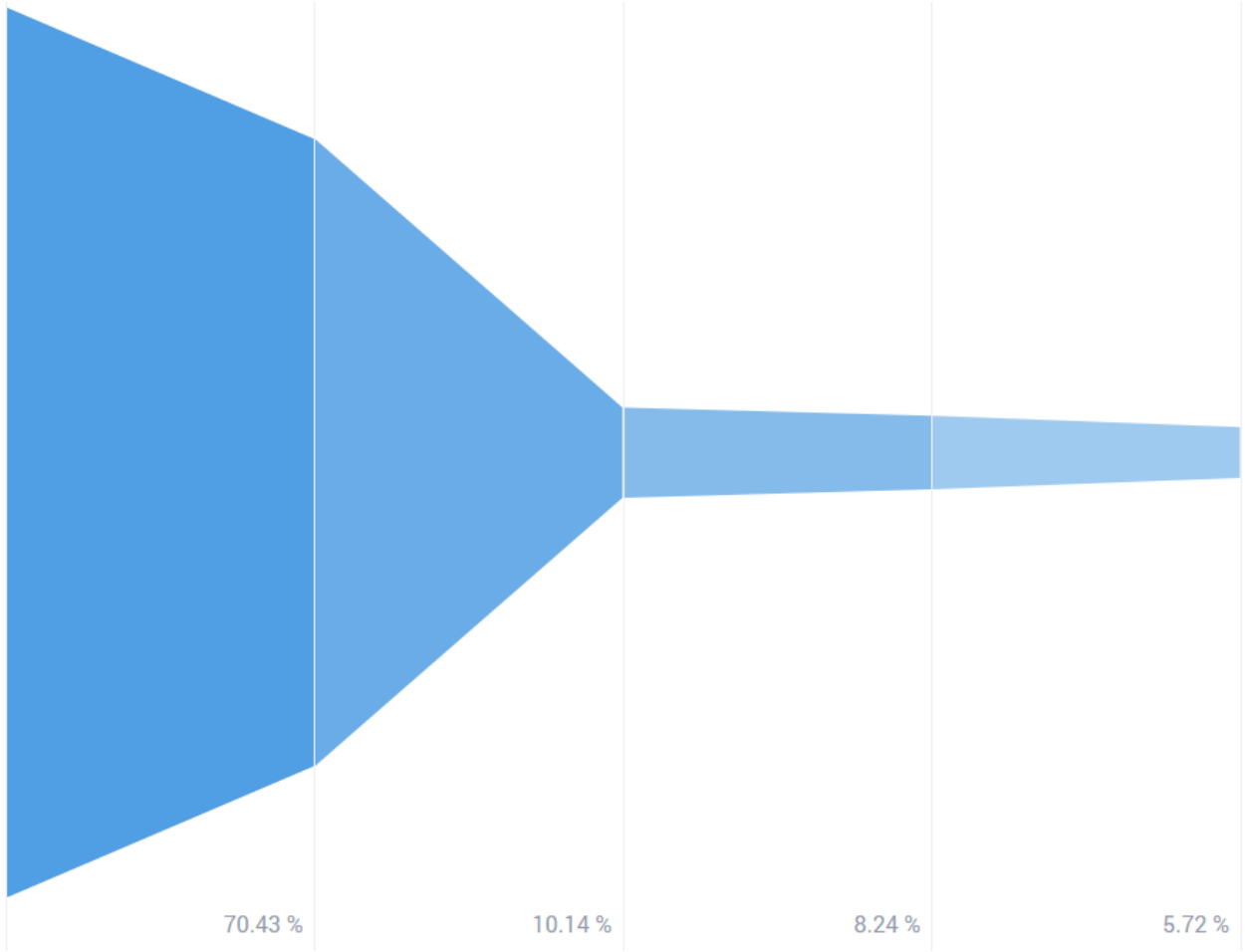
Database Type	DB Instances		
	Discovered	Used	%
Application	6,397	2,972	46.5%
Mailin DB	792	364	46.0%
Orphaned User Mail	11,897	1,117	9.4%
System DB	55,829	4,975	8.9%
User Mail	111,836	78,877	70.5%
Mailbox	412	226	54.9%
Directory	3,133	1,911	61.0%
Total	**190,296**	**90,442**	**47.5%**

Application KPIs

Which DBs are unused and can be decommissioned?



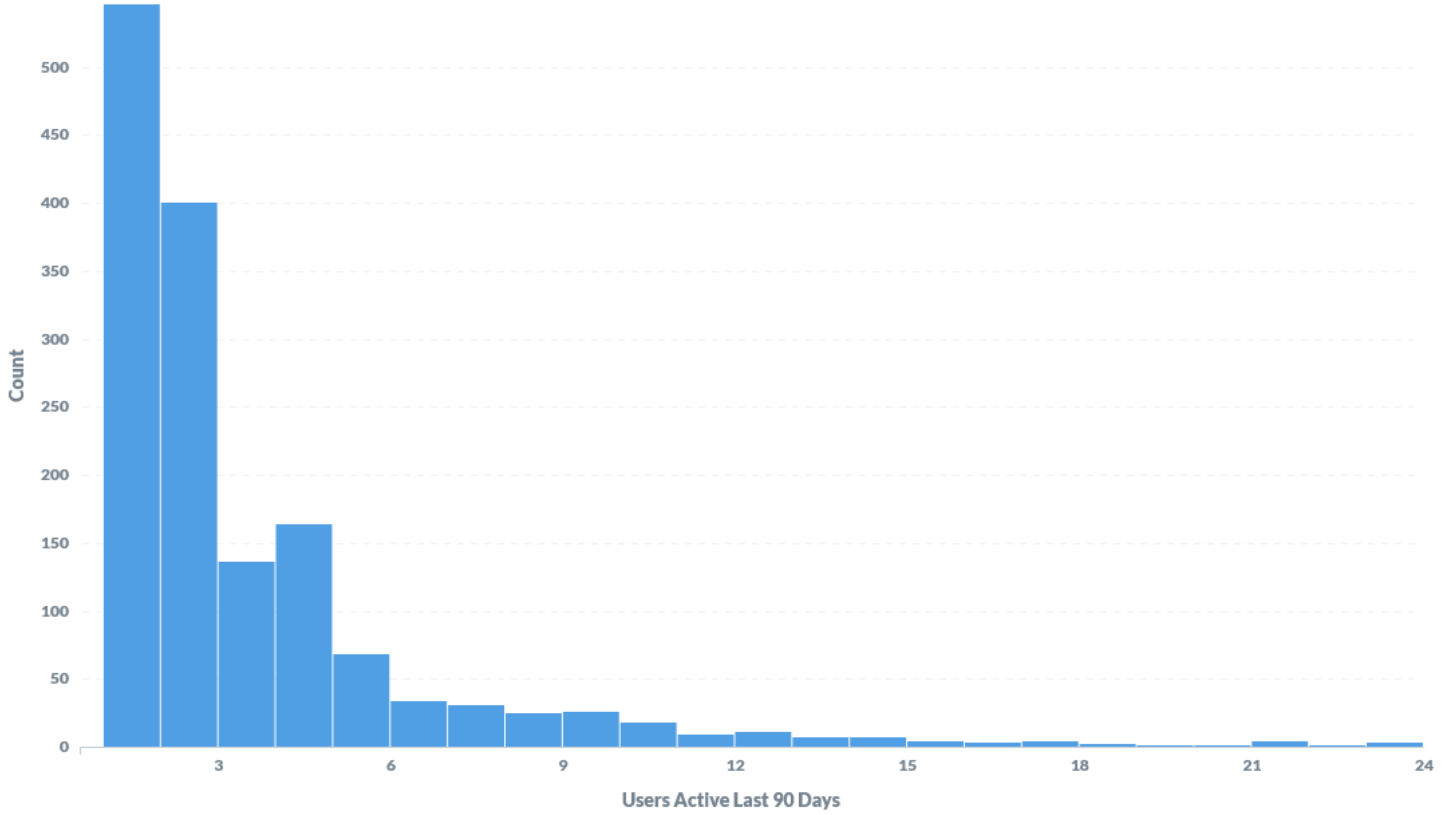
Application KPIs



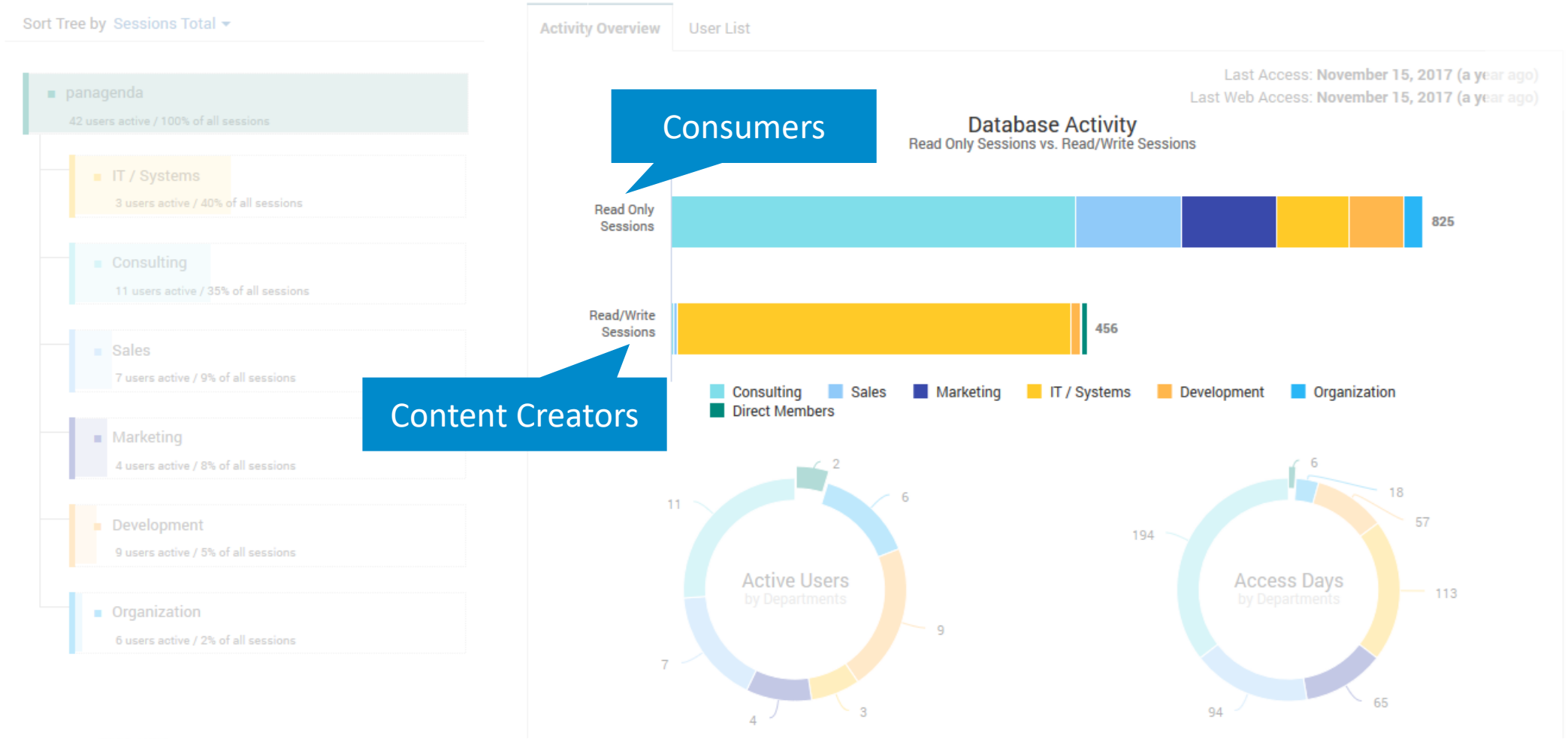
1%–5%

Application KPIs

How many users are active per database?

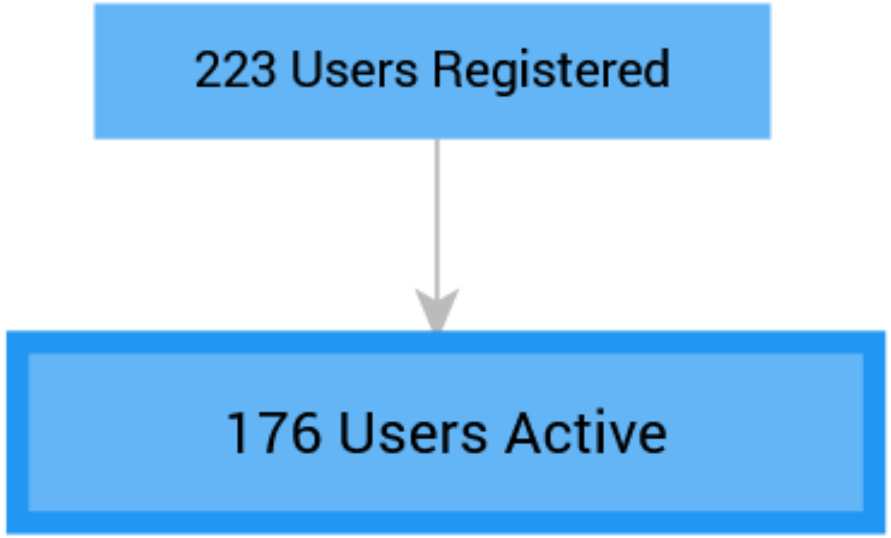


Identify stakeholders



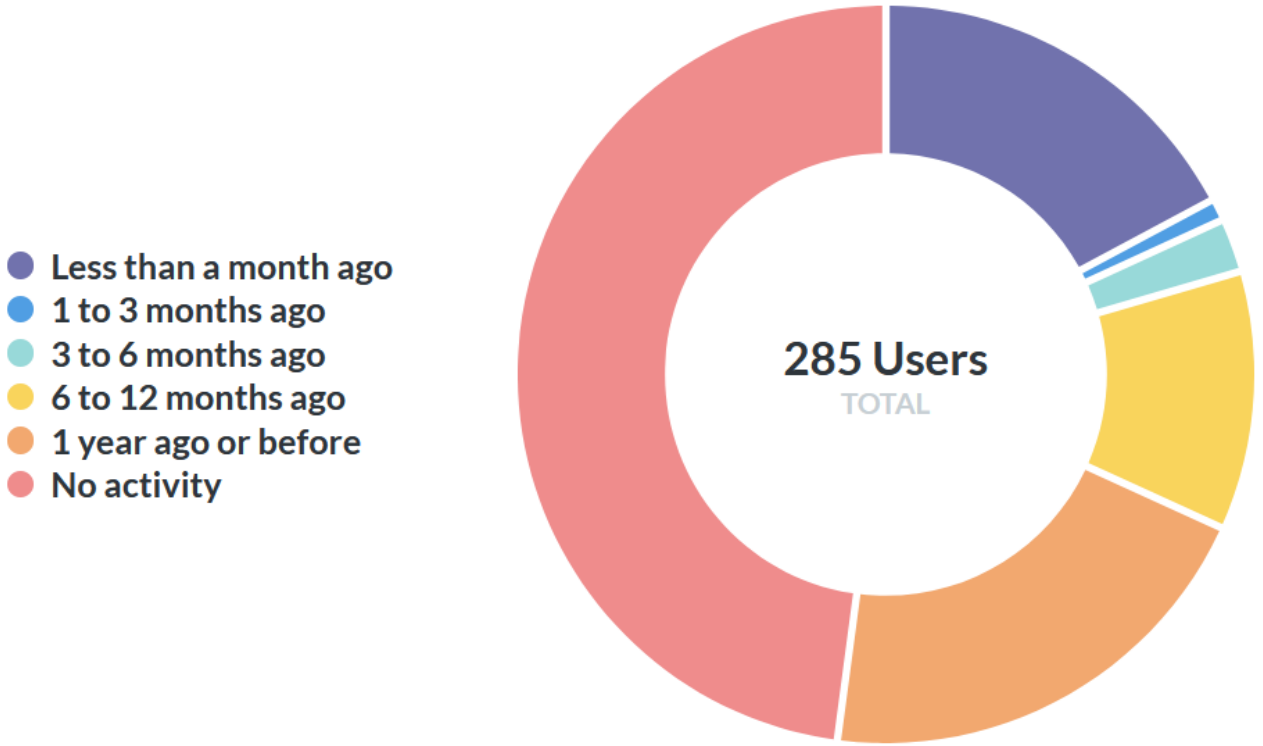
User KPIs

How many users are registered vs active?



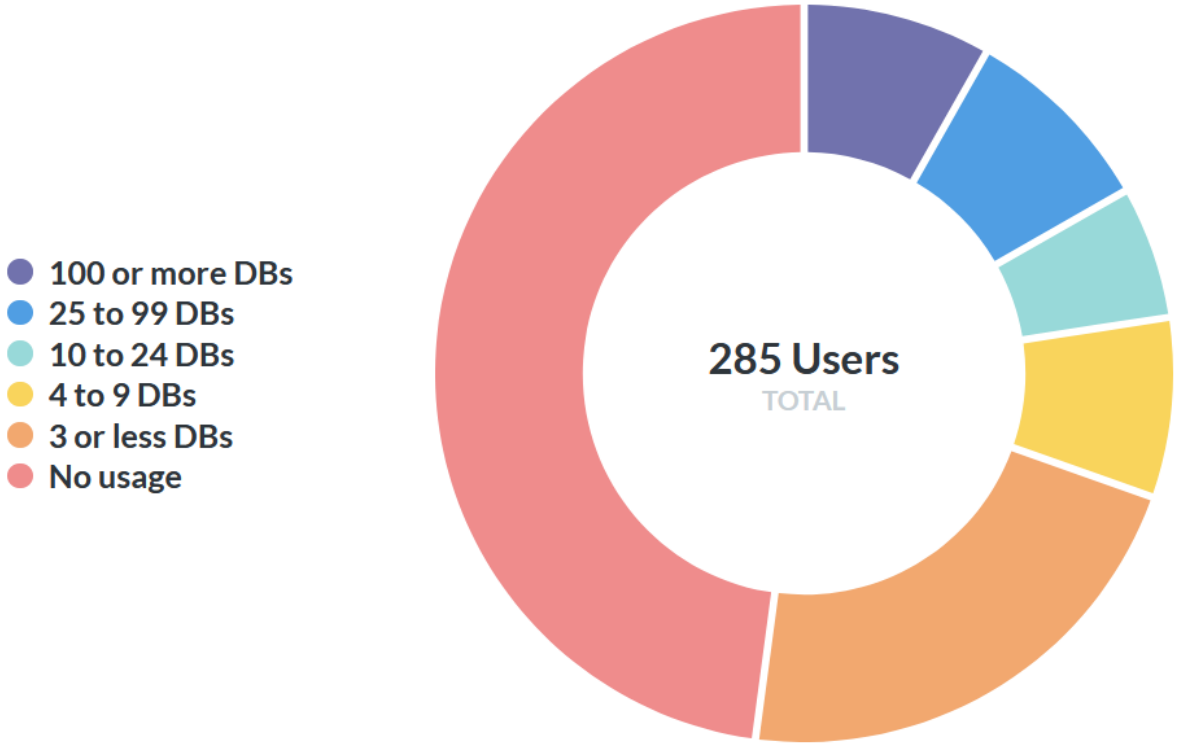
User KPIs

When were the users last active?



User KPIs

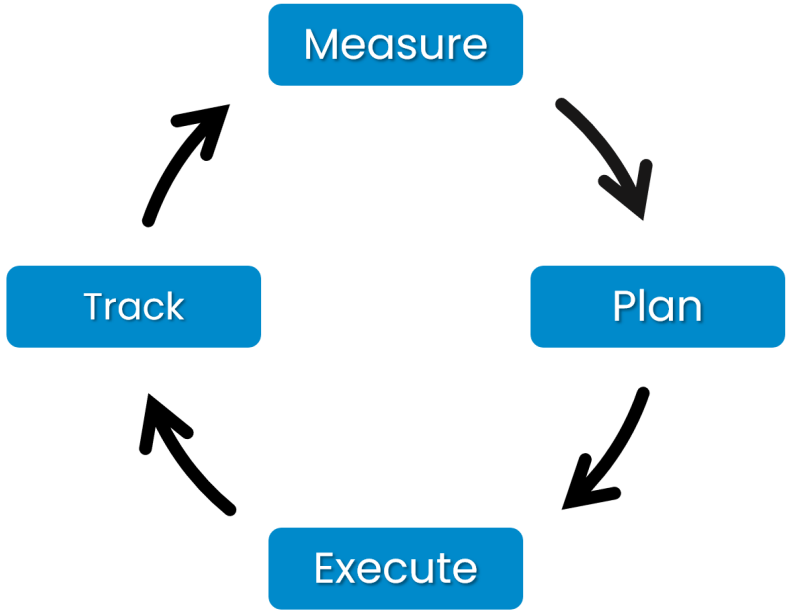
How many applications do my users really work with?



User KPIs

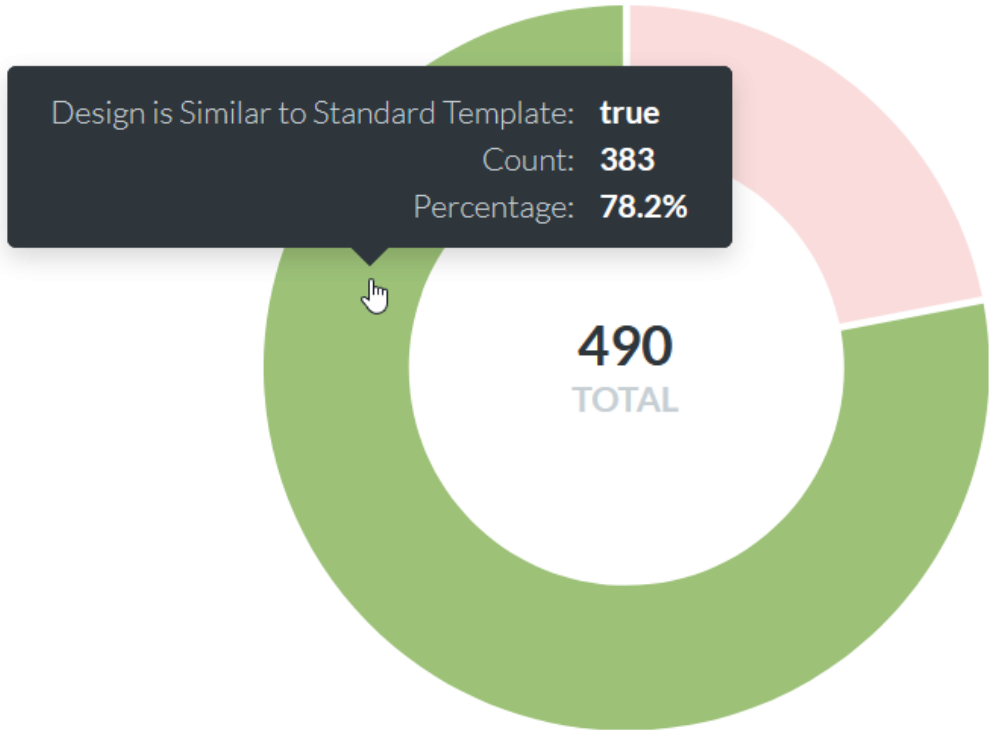
What happens to these numbers after a few iterations?

Continuous monitoring is essential!



Application KPIs

How many DBs are based on standard templates?



Application KPIs

How many DBs have blockers in source code?

Example: Cloud Migration

Hard-coded names

IP addresses, server names, usernames, …

External interfaces

File system, libraries/DLLs, interfaces to SAP, Fax, …

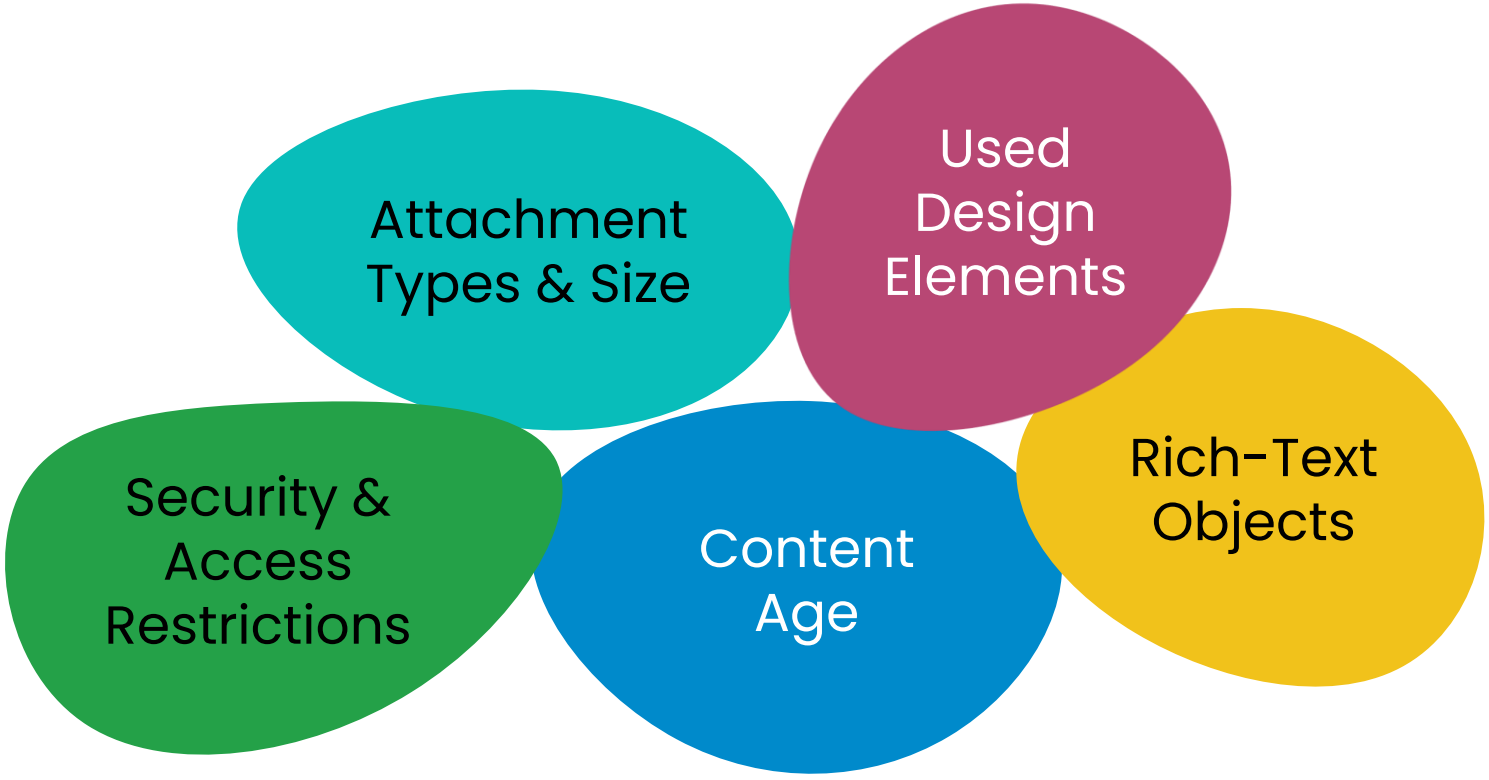
Dependencies on other DBs

Nomad Compatibility

- Java / XPages Code
- C-API calls without platform-specific “Declare”
- ODBC not supported
- 3rd party client extensions
  e.g. Adobe for PDF creation

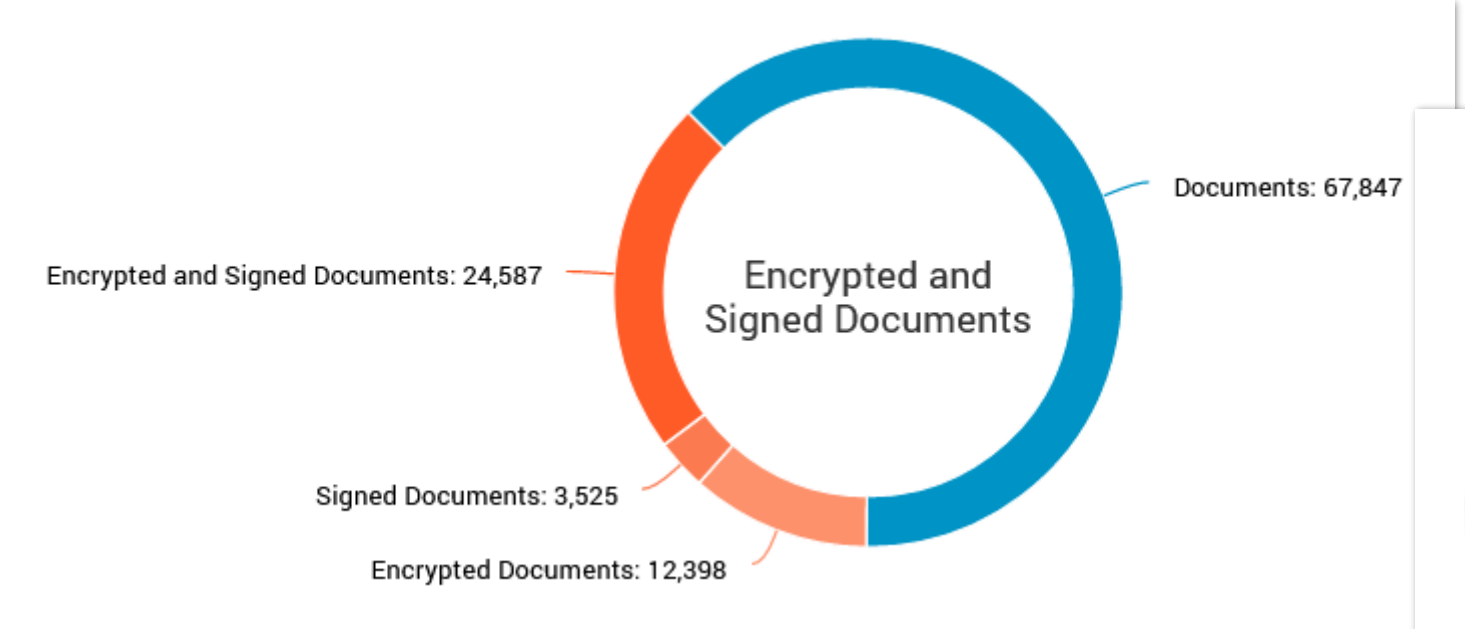
Application KPIs

How many DBs have blockers in content?



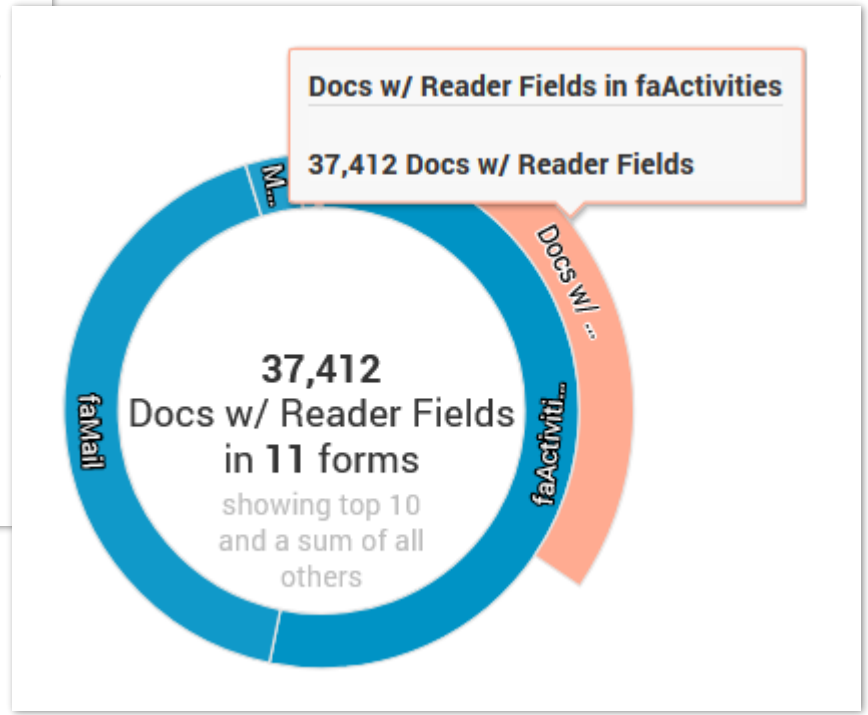
Application KPIs

How many DBs have blockers in content?



Encryption & Signature in Documents

Reader & Author Fields



Server KPIs

- How many servers are active?
- How many databases are being used on a server?
- How many users are active on a server?

Server KPIs

How many servers do I even need after all of that?

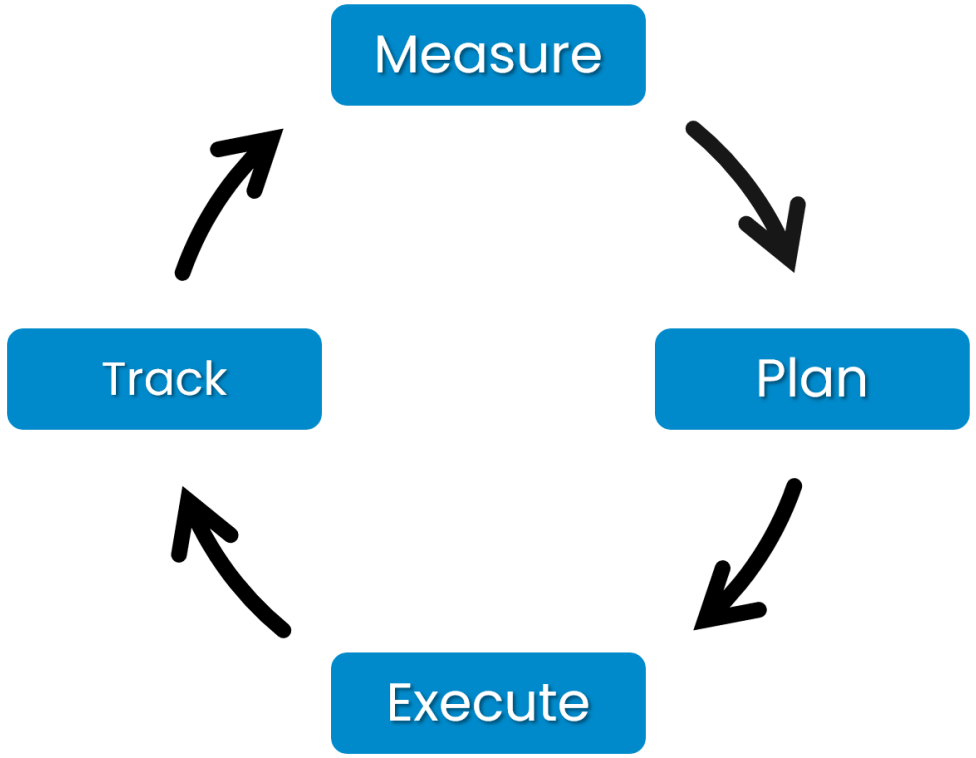
Also consider Domino network design / infrastructure

- Bandwidth still a relevant topic?
- User access method (Notes/Web/Nomad)

Summary

It’s an ongoing process

- KPIs are your friends
- Continuous monitoring is important
- Fact-based decisions
- Constant refinement



Thank you!

Questions?

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