



Jak zkrotit multicloudového draka

(pomocí CodeNOW)

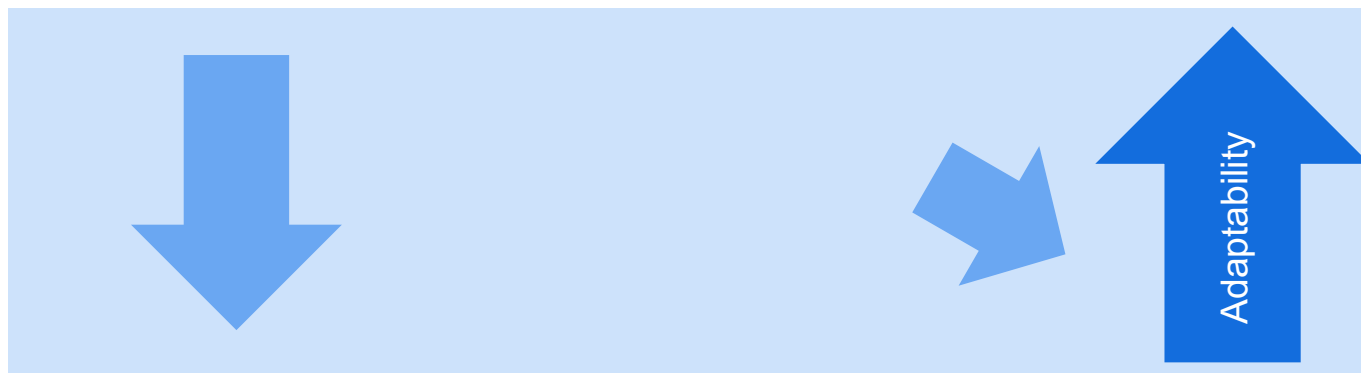




Kam směřují náklady na IT v 2022 ... a nutný trend pro 2023 a dále



TREND
pro 2023+
(?)





Efektivita v IT?

Nepředvídatelné
náklady „na Cloud“

Nesrozumitelný
business case

Vendor Lock!

A nemohu
vyjednávat

Nejasné a
promíchané
vlastnictví
IT assets

...musím čekat

Rostoucí
platformové týmy

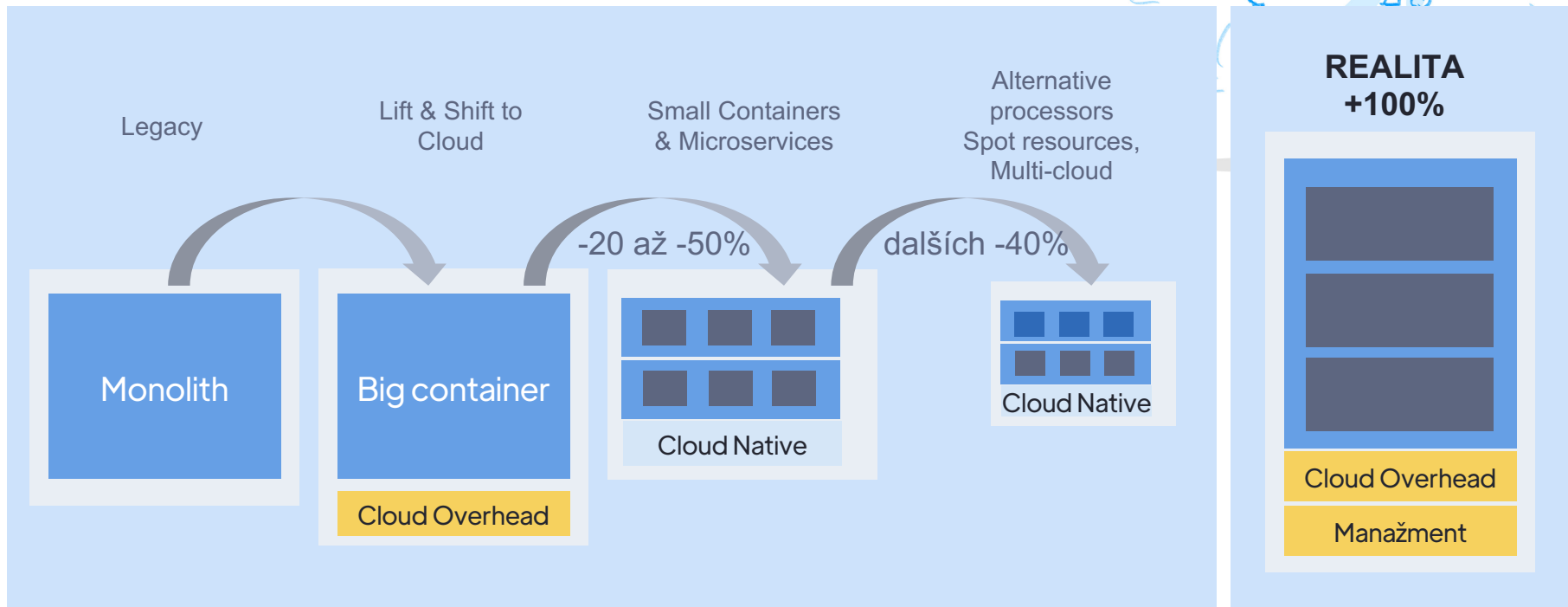
Mlha v inovaci

**Proč je to tak
pomalé?**



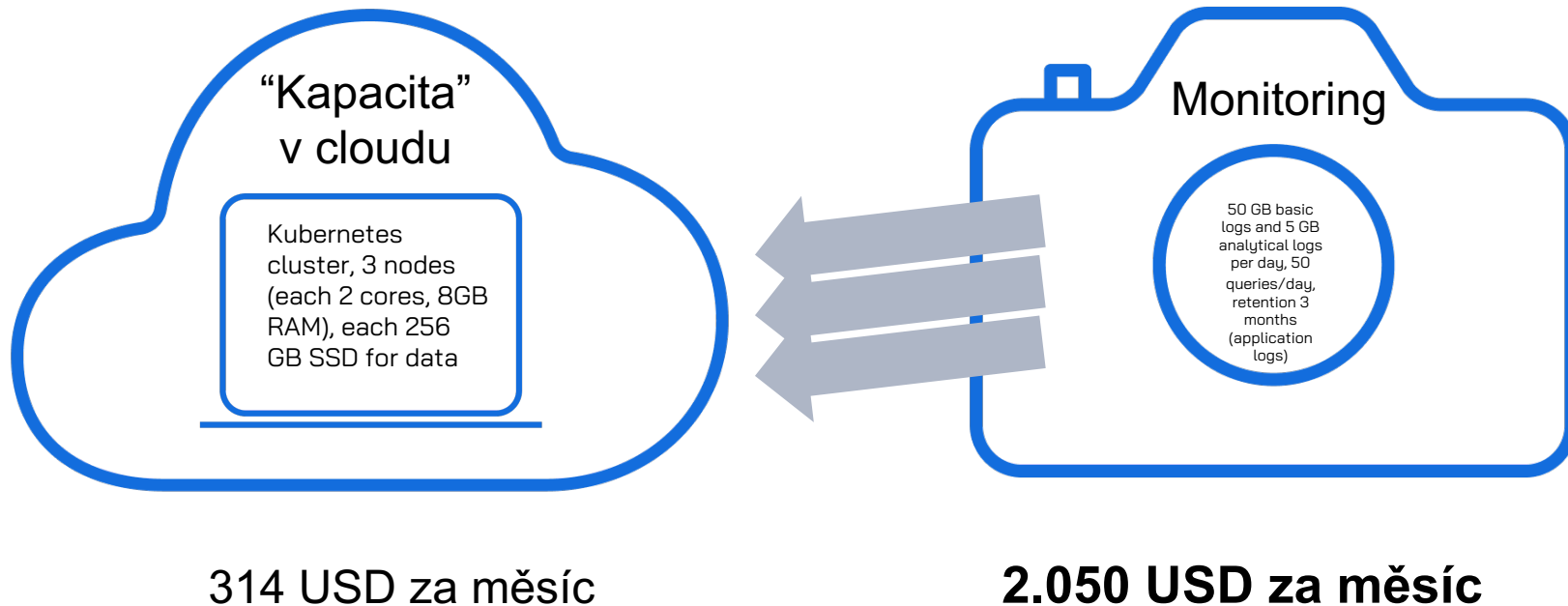


Sliby vs. Realita v digitalizaci





Nákladovost v cloudu na příkladu prostředí pro 1 vývojáře





Nové KPIs pro měření efektivity

Minulost a přítomnost

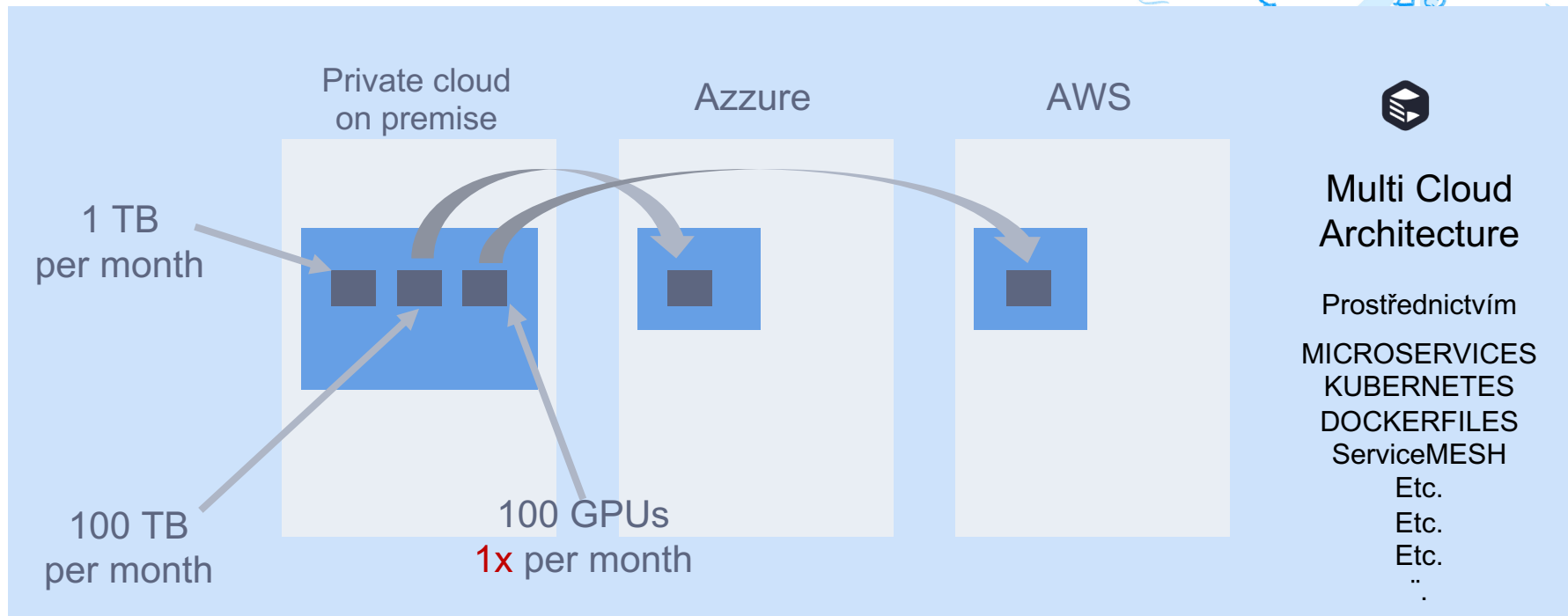
- IT Spending as a % of Revenue
- IT Spending as a % of Operating Expense
- IT Spending Per Employee
- IT Spending by Funding Source
- Capital vs. Operational IT Spending
- IT Full-time Equivalents as a % of Employees
- Employee vs. Contractor IT Staffing

Budoucnost

- Deployment frequency (adaptability!)
- Lead time for Changes (time to market!)
- Change failure rate (quality!)
- Average cost for developer FTE
- Performance and quality per vendor
- Engagement increase per new feature



Šance v Multi-Cloudu



Applications

Selected Cluster
default

Jak to líta?

Code NOW

7.2.7

225.9K

535

SIX MONTHS ALL TIME

Top 5 of 16

krystof.rykala@stratox.cz	96.2K	68
adam.ryvola@stratox.cz	87.5K	193
martin.sixta@stratox.cz	16.6K	108
lukas.banyi@stratox.cz	16.1K	55
jan.suchomel@stratox.cz	4.8K	4

codenow-aiops

1.1

19.9K

150

SIX MONTHS ALL TIME

Top 4 of 4

vit.zikmund@themama.ai	15.4K	160
75443448+vit-zikmund@user...	5K	5
alex.gonzalez@themama.ai	3.4K	26
99647646+alexgonzagodoy@...	1.7K	4

CLUSTER AGENT

0.2.3

604

15

SIX MONTHS ALL TIME

Top 2 of 2

ondrej.michalcik@stratox.cz	585	14
git@codenow.com	19	1

CodeNOW Subscription Beta

N/A

0

0

SIX MONTHS ALL TIME

Top 0 of 0



Application Activity Log

Selected Cluster
default

Kdo co kdy dodal?

Application Development

Applications

Libraries

Managed Services

External Services

CI/CD

Documentation

Observability & Analysis

Logging & Tracing

Service Mesh

Live Monitoring

Quality Management

Static Analysis

Infrastructure & Security

Clusters

Environments

Domains

Reports Management

Reports

User Activity Log

Application Activity Log

CodeNOW Docs

Tutorial Videos

Activity log

< October 2022 >

Day

Month

Year

Code NOW

Commits: 141

Builds: 327

Packages: 221

Configurations: 226

Deployments: 291



Deployment Frequency

How often is the application deployed to the production environment (average number of days with at least one deployment).

Metric levels:

ELITE - On-demand (at least one deploy per day)



HIGH - Between once per day and once per a week

MEDIUM - Between once per a week and once per a month

LOW - More than one month

BLANK - not computed

Metric trends:

INCREASING - The metric level has been improving in the last month

STABLE - The metric level has been stable in the last month


DECREASING - The metric level has been deteriorating in the last month



Lead Time for Changes

Median time from creation of the application package to the first deployment of the package to the production environment.

Metric levels:

 ELITE - Less than one day

HIGH - Between one day and one week

MEDIUM - Between one week and one month

LOW - More than one month

BLANK - not computed

Metric trends:

INCREASING - The metric level has been improving in the last month

STABLE - The metric level has been stable in the last month

DECREASING - The metric level has been deteriorating in the last month



Change Failure Rate

What percentage of changes to the production environment result in degraded service (deployment of new fix version of the application package within 4 hours after the first deployment or deployment of older version of the application package within 4 hours after the first deployment).

Metric levels:



ELITE - Less than 10%

HIGH - Between 10% and 25%

MEDIUM - Between 25% and 50%

LOW - >50%

BLANK - not computed

Metric trends:

INCREASING - The metric level has been improving in the last month

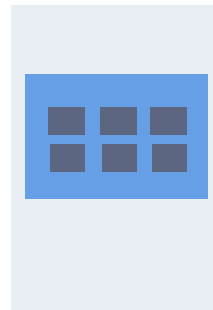
STABLE - The metric level has been stable in the last month

DECREASING - The metric level has been deteriorating in the last month





Případ pro microservices (mikrogranule pro draka)



- “Nemíchají” se asety (workload) mezi business ownery
- Nestojí se “v řadě” na implementaci drobných změn
- Umožňují migraci starých monolitů “piece by piece”, **agilně**
- Zvyšují stabilitu systému – je možné je jednotlivě **zapnout, vypnout, self-healing a jednotlivě škálovat**
- **Až exponenciálně zvyšují komplexitu projektů**



Co dělat?

- Nerozhodovat příliš brzy o toolech a providerech (stay AGNOSTIC)
- Automatizovat procesy SW delivery
- Testovat a optimalizovat architekturu v SOULADU s pricing modely komponent
- Nebudovat vlastní „SAP“ platformy, experti přichází a ODCHÁZÍ
- Vyžadovat **reporting** o kvalitě, stabilitě a rychlosti END-2-END!

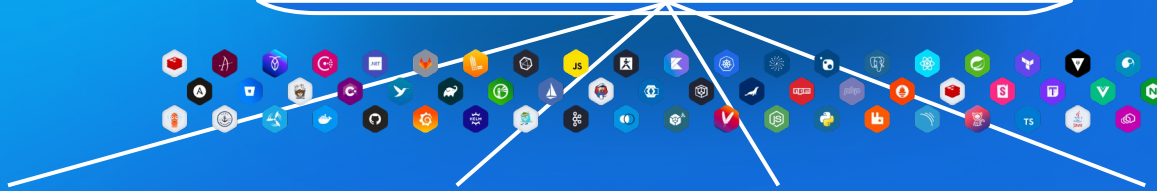
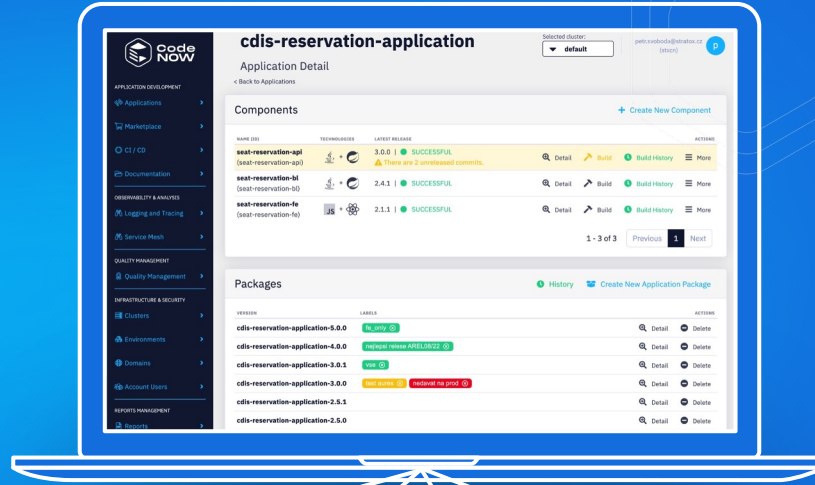




CodeNOW is part of
**Gartner's new
product
category**

DevOps **Value Stream
Delivery Platforms (VSDPs)**
provide fully integrated
capabilities that **enable
continuous delivery** of
software in cloud





GUI & API Driven Self-Service Developer Platform

IaaS Agnostic

40 Open Source tools integrated

Multi Cloud & Hybrid Cloud



Přínosy (z CodeNOW perspektívy)

- Snadná správa **mnoha aplikací pro více týmů** a více dodavatelů pomocí abstrakce infrastruktury
- **Automaticky zvládá vícero složitých konceptů** infrastruktury, zároveň vše zjednodušuje pro vývojáře a **umožňuje budget ceiling**
- Jako **multicloudová** platforma **umožňuje měnit rozhodnutí i později** v procesu dodávání produktu (**anti vendor lock**).
- Možnost **samoobsluhy** vám **umožní posílit samostatnost týmů**, aniž byste museli platit drahé cloudové architektury

Saving

-60%

Time to market (to MVP)

Saving

-25%

Developers capacity

Saving

-30%

Running Infra costs



....pozor, ale drak zostane vždy drakom