

ZABBIX '25

CONFERENCE

LATIN AMERICA



Kleber Prando
Arquiteto Cloud

- Mais de 20 anos de experiência com Tecnologia da Informação.
- Trabalho com Zabbix desde 2018.
- Desde 2020 na NZN atuando na Área de Cloud/Devops/Monitoramento.
- NZN – Baixaki | Clickjogos | Megacurioso | Tecmundo
- www.linkedin.com/in/kleber-prando



Monitoramento Tecmundo De Infra à Regra de negócio

Qual era o cenário?

- ▶ Monitoramento de performance de Infraestrutura.
- ▶ Web cenários da home e de algumas páginas internas.



Monitoramento Tecmundo De Infra à Regra de negócio

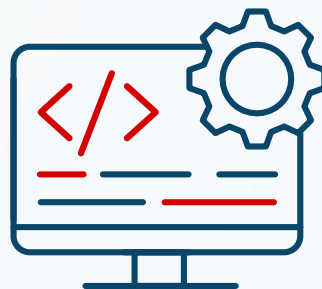
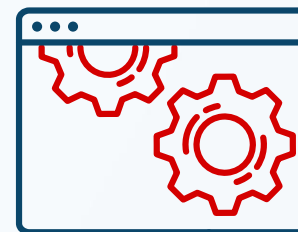
Desafios

- ▶ Fomentar a cultura de monitoramento.
 - Conversa com as áreas interessadas para entender as necessidades.
- ▶ Pensar em um monitoramento que fizesse sentido para o momento
 - Baseado na conversa com as áreas, pensar em monitoramentos coerentes com os pontos levantados.
- ▶ Desenvolver um monitoramento efetivo.
 - Dashboards e alertas efetivos que tragam insights, que impulsionem ações rápidas.

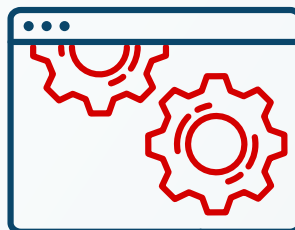
Monitoramento Tecmundo De Infra à Regra de negócio

3 Tópicos:

- Infraestrutura
- Desenvolvimento
- Negócio

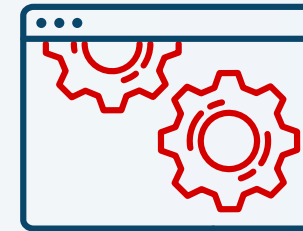


Infraestructura



Infraestrutura – O que monitoramos hoje ?

- ▶ *Azure Database for Mysql Flexible.*
- ▶ *Azure SQL Managed Instances.*
- ▶ *Storages Account.*
- ▶ *Servidor de imagens (storage account).*
- ▶ *Azure Cache for Redis.*
- ▶ *Kubernetes – AKS.*
- ▶ *Custos Azure.*



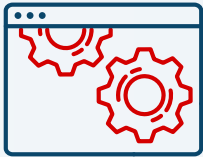
Infraestrutura - O que monitoramos hoje ?

► Azure Cache for Redis

Host	Name ▲	Last check	Last value	Change
AZR-Redis-prod	Cache Hits	1m 11s	28985	-4170
AZR-Redis-prod	Cache Read	2m 10s	5.11 MB/s	-42.79 KB/s
AZR-Redis-prod	Cache Write	3m 9s	376.5 KB/s	-87.3 KB/s
AZR-Redis-prod	Clients Connected	3m 13s	13	+1
AZR-Redis-prod	CPU Usage	1m 15s	12 %	-5 %
AZR-Redis-prod	Evicted Keys	6m 13s	0	
AZR-Redis-prod	Memory Usage	1m 14s	91 %	-8 %
AZR-Redis-prod	Server Load	1m 8s	13 %	+11 %

► Custos Azure

AZR-Custos	Azure Cost: Month ["2024-06"] cost ⓘ	1m 37s	17821.171.000
AZR-Custos	Azure Cost: Month ["2024-07"] cost ⓘ	1m 37s	17711.989.000
AZR-Custos	Azure Cost: Month ["2024-08"] cost ⓘ	1m 37s	17711.989.000
AZR-Custos	Azure Cost: Month ["2024-09"] cost ⓘ	1m 37s	17711.989.000
AZR-Custos	Azure Cost: Month ["2024-10"] cost ⓘ	1m 37s	17711.989.000
AZR-Custos	Azure Cost: Month ["2024-11"] cost ⓘ	1m 37s	17711.989.000
AZR-Custos	Azure Cost: Month ["2024-12"] cost ⓘ	1m 37s	17711.989.000
AZR-Custos	Azure Cost: Month ["2025-01"] cost ⓘ	1m 37s	17711.989.000
AZR-Custos	Azure Cost: Month ["2025-02"] cost ⓘ	1m 37s	17711.989.000
AZR-Custos	Azure Cost: Month ["2025-03"] cost ⓘ	1m 37s	17711.989.000
AZR-Custos	Azure Cost: Month ["2025-04"] cost ⓘ	1m 37s	17711.989.000
AZR-Custos	Azure Cost: Month ["2025-05"] cost ⓘ	1m 37s	17711.989.000





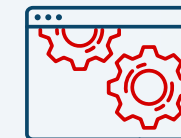
Infraestrutura - O que monitoramos hoje ?

► Azure Mysql Flexible

Host	Name ▲	Last check	Last value	Change
AZR-Mysql-prod	Active Connections	22s	34.7	-2.2
AZR-Mysql-prod	CPU Percent	47s	30.154 %	+1.511 %
AZR-Mysql-prod	IO Percent	1m 35s	33.681 %	+0.085 %
AZR-Mysql-prod	Limit storage usage	20m 24s	27.94 %	
AZR-Mysql-prod	Memory Percent	48s	52.45 %	-0.07 %
AZR-Mysql-prod	Mysql Processes List	42s	+-----+-----+-----+...	
AZR-Mysql-prod	Mysql Processes Number	9m	55	+7
AZR-Mysql-prod	Network - Inbound	22s	6.59 Mbps	+194.26 Kbps
AZR-Mysql-prod	Network - Outbound	20s	370.7 Mbps	+28.17 Mbps
AZR-Mysql-prod	Slow Queries (List) - 15 segundos	2m 3s		
AZR-Mysql-prod	Slow Queries (Number) - 15 segundos	2m 4s	0	

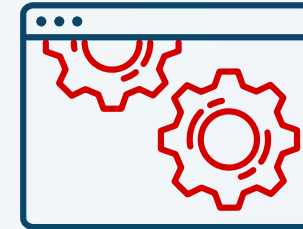
► *Kubernetes - AKS*

Host	Name ▲	Last check	Last value	Change
AZR-AKS-Prod	Nodes CPU Percent 	2m 50s	75.1333 %	+2.0333 %
AZR-AKS-Prod	Nodes Memory Gigabytes Used	45s	7.28 GB	+19.92 MB
AZR-AKS-Prod	Nodes Memory Percent	2m 46s	54.5 %	+0.6333 %
AZR-AKS-Prod	Nodes Network Inbound	2m 46s	8.57 Mbps	+474.67 Kbps
AZR-AKS-Prod	Nodes Network Outbound	2m 44s	7.61 Mbps	-2.07 Mbps
AZR-AKS-Prod	Numero pods Tecmundo- 	6m 53s	25	
AZR-AKS-Prod	Numero pods Tecmundo- 	6m 53s	4	
AZR-AKS-Prod	Pods com problema	41s	1	
AZR-AKS-Prod	Pods status running	31s	177	
AZR-AKS-Prod	Pods Tecmundo-  com erros	34s	0	
AZR-AKS-Prod	Pods Tecmundo-  com erros	6m 50s	0	



Infraestrutura – Como monitoramos ?

- ▶ *Zabbix agent.*
- ▶ *Simple Check.*
- ▶ *Script (item).*
- ▶ *Database monitor.*
- ▶ *External check utilizando CLI da Azure.*



Infraestrutura – Como monitoramos ?

Item

Item Tags 1 Preprocessing

* Name

Custos Mensal - Azure

Type

Script

* Key

azure.get.monthly.costs

Type of information

Text

Parameters

Name	Value	Action
app_id	{AZURE.APP.ID}	Remove
month	{AZURE.BILLING.MONTH}	Remove
password	{AZURE.PASSWORD}	Remove
proxy	{AZURE.PROXY}	Remove
subscription_id	{AZURE.SUBSCRIPTION.ID}	Remove
tenant_id	{AZURE.TENANT.ID}	Remove

Add

* Script

var AzureCost = {...

* Update interval

0s

Custom intervals

Type	Interval	Period	Action
Flexible	Scheduling	h/12	Remove

Add

* Timeout

Global

Override

{AZURE.D}

* History

Do not store

Store up to

Populates host inventory field

-None-

Description

JSON Custos Azure

Item

Item Tags 1 Preprocessing

Parent items

Web Servers

* Name

HTTP

Type

Simple check

* Key

net.tcp.service[tcp,,443]

Type of information

Numeric (unsigned)

Host interface

10.10.2.4:10050

User name

Password

Units

* Update interval

5m

Custom intervals

Type	Interval	Period	Action
Flexible	Scheduling	50s	1-7,00:00-24:00

Add

* Timeout

Global

Override

4s

Timeouts

* History

Do not store

Store up to

90d

* Trends

Do not store

Store up to

365d

Value mapping

Select

Populates host inventory field

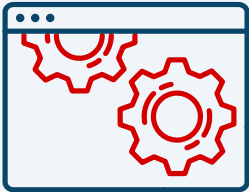
-None-

Description

Verifica o uso da porta 443 pelo web server

Enabled

☒



* Name

Nodes CPU Percent

Type

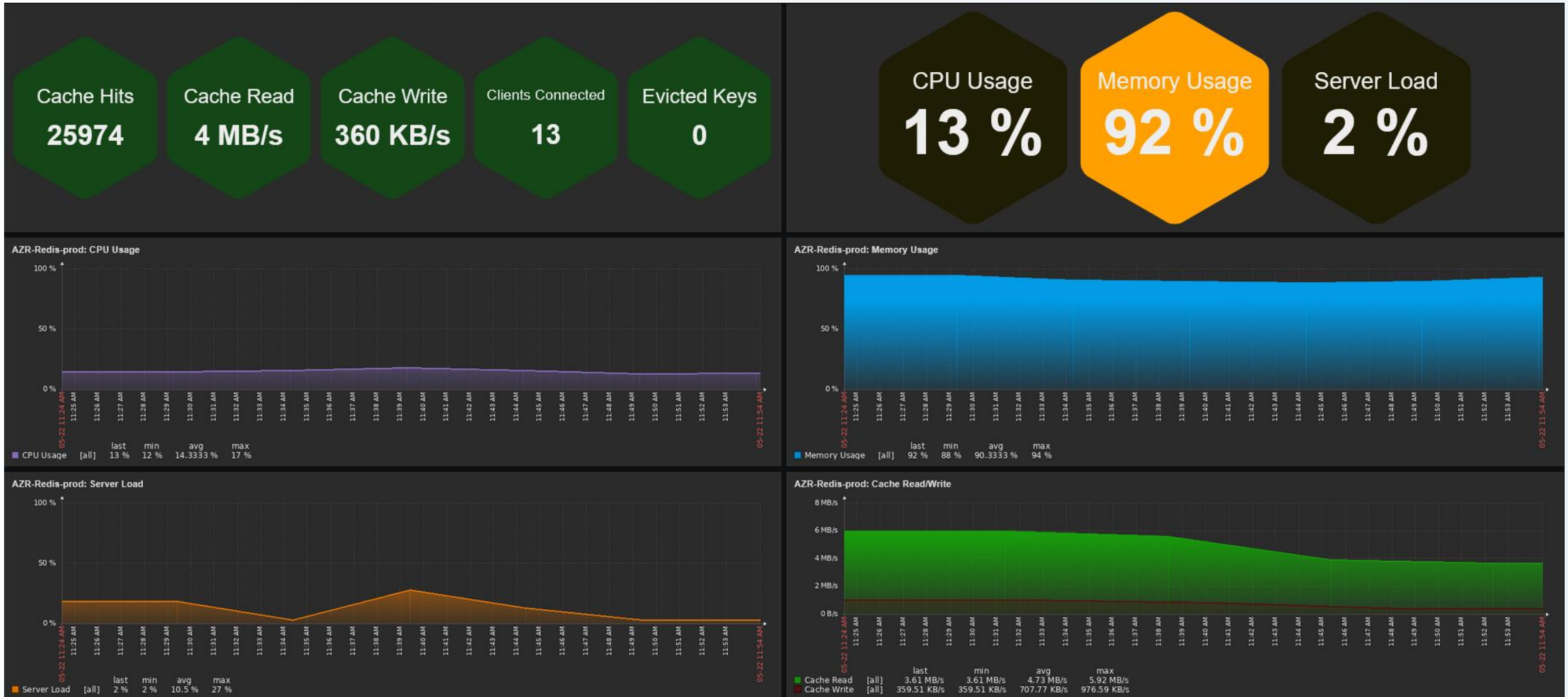
External check

* Key

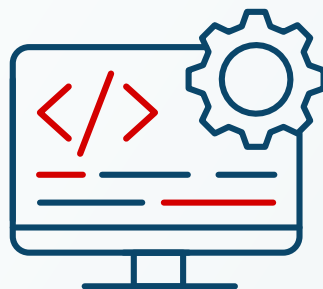
azure_aks.sh["{\$RESOURCEGROUP}","{\$CLUSTERNAME}",node_cpu_percent]

Select

```
az monitor metrics list --resource "/subscriptions/  
providers/Microsoft.ContainerService/managedClusters/$2" --metric "node_cpu_usage_percentage" --interval PT5M  
--query "value[0].timeseries[0].data[0].average"
```

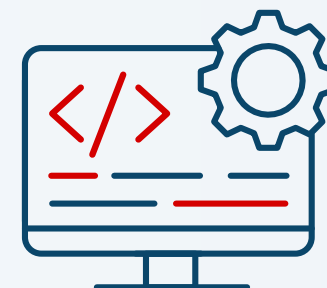


Desenvolvimento



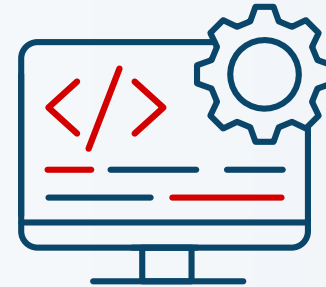
Desenvolvimento - O que monitoramos hoje ?

- ▶ *Métricas de navegação.*
- ▶ *Envelopamentos do site.*
- ▶ *Performance do banco de dados.*
- ▶ *Processos do banco de dados.*
- ▶ *Processos de Pipeline.*
- ▶ *Numero de páginas com erros 404 e 500.*
- ▶ *Lista de páginas com erros 404 e 500 (top 50).*
- ▶ *Logs de erro dos pods do Kubernetes.*
- ▶ *Sincronismo de publicação de matérias.*
- ▶ *Pods em uso e com erros.*



Desenvolvimento – Como monitoramos ?

- ▶ *Script (item).*
- ▶ *External check.*
- ▶ *Database monitor.*
- ▶ *HTTP agent.*
- ▶ *Browser (item).*
- ▶ *Zabbix agent (Ativo).*
- ▶ *Zabbix sender / trapper.*



Desenvolvimento – Como monitoramos ?

Name

Paginas com erro 404

Type

HTTP agent

Key

get 404

Type of information

Text

URL

https://api.azionapi.net/events/graphql

Parse

Query fields

Name	Value
name	value

Add

Request type

GET

Request body type

Raw dataJSON dataXML data

Request body

```
{  "query": "query analyse_bk {\n  httpEvents(\n    limit: 1000,\n    filter: {\n      tsRange: {\n        begin: \"${DATE_TODAY}T00:00:00\", end: \"${DATE_TODAY}T23:59:00\", status: 404,\n        host: \"${HOST}\",\n        requestUriLike: \"${REQUEST_URI_ERRORS}\",\n        not: {\n          requestUriLike: \"${EXCLUDED_URI}\" }\n      },\n      aggregate: {\n        count: status,\n        groupBy: [status],\n        orderBy: [count_DESC]\n      }\n    }\n  }\n}\n\",  \"variables\": {} }
```

Headers

Name	Value
Authorization	{TOKENAZION}
Accept	application/json, version=3
Content-Type	application/json

Add

```
# Enviar dados para o Zabbix
zabbix_sender -z "$ZABBIX_SERVER" -s "$HOSTNAME" -k azure.devops.pipeline.count -o "$PIPELINES_COUNT"
zabbix_sender -z "$ZABBIX_SERVER" -s "$HOSTNAME" -k azure.devops.pipeline.failed.count -o "$FAILED_COUNT"
zabbix_sender -z "$ZABBIX_SERVER" -s "$HOSTNAME" -k azure.devops.pipeline.success.count -o "$SUCCESS_COUNT"
zabbix_sender -z "$ZABBIX_SERVER" -s "$HOSTNAME" -k azure.devops.pipeline.canceled.count -o "$CANCELED_COUNT"
zabbix_sender -z "$ZABBIX_SERVER" -s "$HOSTNAME" -k azure.devops.pipeline.running.count -o "$RUNNING_COUNT"
zabbix_sender -z "$ZABBIX_SERVER" -s "$HOSTNAME" -k azure.devops.pipeline.waiting.count -o "$WAITING_COUNT"
zabbix_sender -z "$ZABBIX_SERVER" -s "$HOSTNAME" -k azure.devops.pipeline.running_now -o "$RUNNING_NOW"
zabbix_sender -z "$ZABBIX_SERVER" -s "$HOSTNAME" -k azure.devops.pipeline.queued -o "$QUEUED_COUNT"
zabbix_sender -z "$ZABBIX_SERVER" -s "$HOSTNAME" -k azure.devops.pipeline.avg_duration -o "$FORMATTED_DURATION"
```

Name

Running Now

Type

Zabbix trapper

Key

azure.devops.pipeline.running_now

Select

Name

Logs pod Tecmundo

Type

Zabbix agent (active)

Key

log[/usr/lib/zabbix/logs/tecundo log]

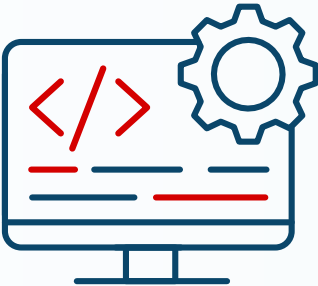
Select

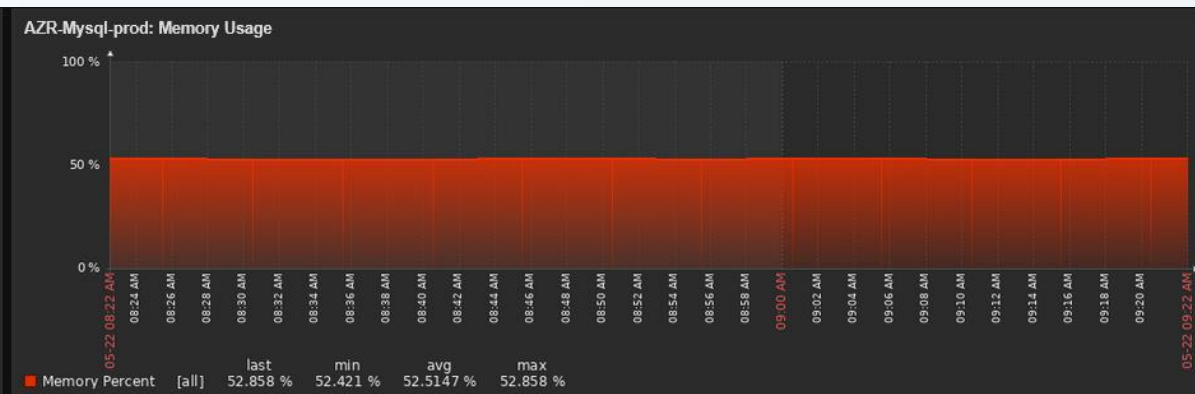
Type of information

Log

Update interval

10m





Screenshots

2025-05-22 02:01:41 PM



2025-05-22 01:57:22 PM



2025-05-22 01:52:11 PM



2025-05-22 01:41:49 PM



Métricas www.tecmundo.com.br from Brasil

Load time antigo - Rota Brasil

161.08ms

Load time novo- Rota Brasil

290.23ms

Response time antigo - Rota Brasil

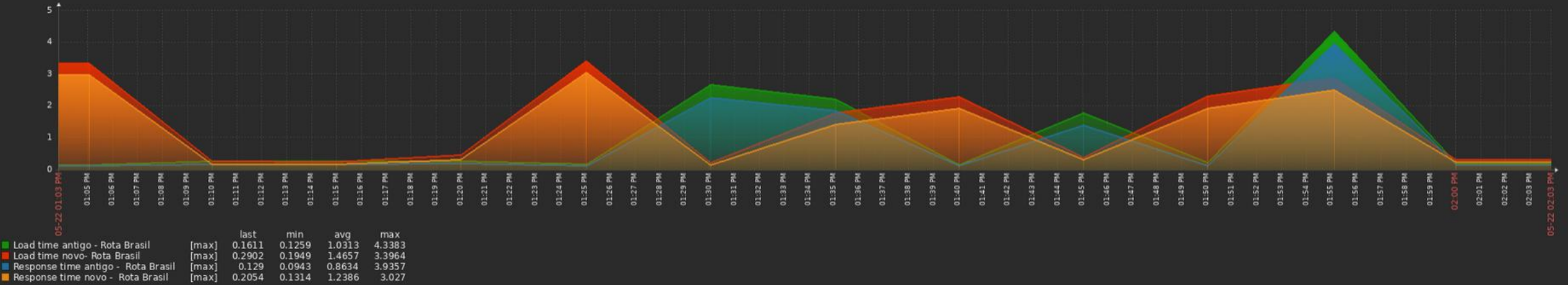
129.02ms

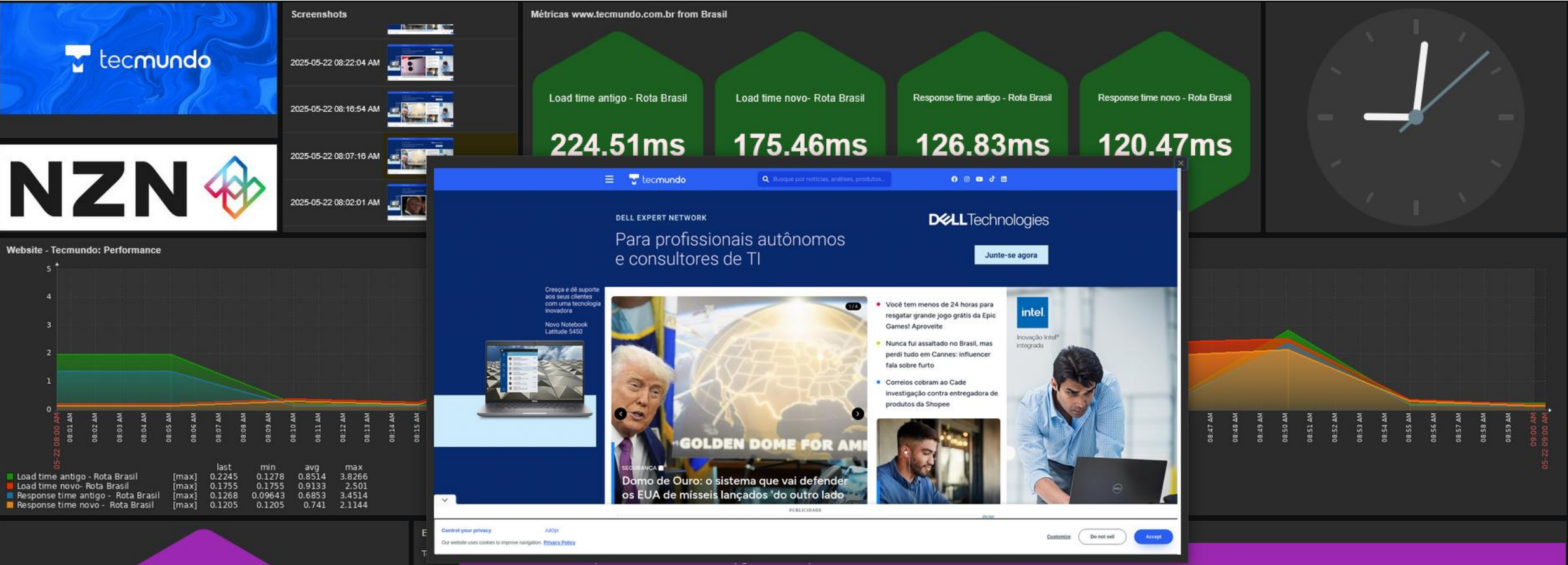
Response time novo - Rota Brasil

205.36ms



Website - Tecmundo: Performance





Pipelines cancelados

0

Pipelines com erros

1

Pipelines em espera

2

Pipelines em fila

0

Pipelines succeeded

6

Running Now

0

Tempo medio duração pipelines

6.22 minutos

Total Pipelines

7

Pods Tecmundo

Numero pods Tecmundo

25

Numero pods Tecmundo

4

Pods Tecmundo com erros

0

Pods Tecmundo com erros

0

Logs Tecmundo (Pods)

Logs

[2025-05-09 08:50:32] [tecmundo-666c94856c-27b9d] × TypeError: fetch failed

at Object.fetch (node:internal/deps/undici/undici:11576:11)

at async r (/app/.next/server/chunks/5607.js:9:10548)

at async d (/app/.next/server/pages/[category].js:1:1598)

at async e6 (/app/node_modules/next/dist/compiled/next-server/pages.runtime.prod.js:31:593)

at async doRender (/app/node_modules/next/dist/server/base-server.js:1365:30)

at async cacheEntry.responseCache.get.routeKind (/app/node_modules/next/dist/server/base-server.js:1539:28)

at async NextNodeServer.renderToResponseWithComponentsImpl (/app/node_modules/next/dist/server/base-server.js:1447:28)

at async NextNodeServer.renderPageComponent (/app/node_modules/next/dist/server/base-server.js:1844:24)

at async NextNodeServer.renderToResponseImpl (/app/node_modules/next/dist/server/base-server.js:1882:32)

at async NextNodeServer.pipelineImpl (/app/node_modules/next/dist/server/base-server.js:895:25) {

Logs Tecmundo (Pods)

Logs

[2025-05-09 17:50:11] [tecmundo-546554575c-4c5gd] [2025-05-09 20:48:00.296] [31merror[39m: Failed to insert a new post: 404415 RequestError: Violation of PRIMARY KEY constraint 'PK_Materias'. Cannot insert duplicate key in object 'dbo.Materias'. The duplicate key value is (404415).

[2025-05-09 17:50:11] [tecmundo-546554575c-4c5gd] [2025-05-09 20:00:00.345] [31merror[39m: Failed to insert a new post: 404432 RequestError: Violation of PRIMARY KEY constraint 'PK_Materias'. Cannot insert duplicate key in object 'dbo.Materias'. The duplicate key value is (404432).

[2025-05-09 17:50:11] [tecmundo-546554575c-4c5gd] [2025-05-09 19:48:00.262] [31merror[39m: Failed to insert a new post: 501359 RequestError: Violation of PRIMARY KEY constraint 'PK_Materias'. Cannot insert duplicate key in object 'dbo.Materias'. The duplicate key value is (501359).

[2025-05-09 17:50:11] [tecmundo-546554575c-4c5gd] [2025-05-09 19:18:00.416] [31merror[39m: Failed to insert a new post: 601246 RequestError: Violation of PRIMARY KEY constraint 'PK_Materias'. Cannot insert duplicate key in object 'dbo.Materias'. The duplicate key value is (601246).

[2025-05-09 17:50:11] [tecmundo-546554575c-4c5gd] [2025-05-09 19:18:00.414] [31merror[39m: Failed to insert a new post: 404420 RequestError: Violation of PRIMARY KEY constraint 'PK_Materias'. Cannot insert duplicate key in object 'dbo.Materias'. The duplicate key value is (404420).

[2025-05-09 17:50:11] [tecmundo-546554575c-4c5gd] [2025-05-09 19:15:00.534] [31merror[39m: Failed to insert a new post: 404435 RequestError: Violation of PRIMARY KEY constraint 'PK_Materias'. Cannot insert duplicate key in object 'dbo.Materias'. The duplicate key value is (404435).

[2025-05-09 17:50:22] [tecmundo-546554575c-qjqc] [2025-05-09 20:48:00.294] [31merror[39m: Failed to insert a new post: 404415 RequestError: Violation of PRIMARY KEY constraint 'PK_Materias'. Cannot insert duplicate key in object 'dbo.Materias'. The duplicate key value is (404415).

[2025-05-09 17:50:22] [tecmundo-546554575c-qjqc] [2025-05-09 20:00:00.274] [31merror[39m: Failed to insert a new post: 404432 RequestError: Violation of PRIMARY KEY constraint 'PK_Materias'. Cannot insert duplicate key in object 'dbo.Materias'. The duplicate key value is (404432).

<div>Paginas com erro 404</div> <div>44</div>	<div>Erros 404 - Lista</div> <div>Top 50</div> <div>www.tecmundo.com.br/voxel/noticias/l-noire-part-two-fem-trilha-sonora-vazada-youtube_847781.htm www.tecmundo.com.br/voxel/500691-spider-man-2-de-pc-mostra-que-sony-ainda-precisa-melhorar-no-computador—review.htm www.tecmundo.com.br/46884-motorola-moto-g-aparece-rapidamente-na-amazon-do-reino-unido.htm www.tecmundo.com.br/9966-como-funciona-o-volante-de-um-carro-de-f1-infografico_.htm www.tecmundo.com.br/voxel/noticias/nier-considerada-serie-principais-square-enix_831525.htm www.tecmundo.com.br/voxel/especiais/178270-melhores-momentos-surpresas-e-reacoes-do-voxel-na-e3-2019.htm www.tecmundo.com.br/12237-primeiros-registros-no-dominio-xxx-nao-sao-de-sites-pornograficos.htm www.tecmundo.com.br/41388-imgur-lanca-ferramenta-para-criacao-de-memes.htm www.tecmundo.com.br/73457-lomada-ou-via-usb-saiba-em-qual-plataforma-seu-carregador-funciona-melhor.htm www.tecmundo.com.br/voxel/jogo/ninja-gaiden-2/analise.htm www.tecmundo.com.br/voxel/especiais/182970-shaders-o-que-sao-e-para-que-servem-.htm</div>
<div>Paginas com erro 500</div> <div>91</div>	<div>Erros 500 - Lista</div> <div>Top 50</div> <div>www.tecmundo.com.br/redes-sociais/402461-acessos-no-x-extwitter-cresceram-4628-no-brasil-em-2024-diz-pesquisa.htm www.tecmundo.com.br/tecnologia/8702-deixe-sites-de-compartilhamento-de-arquivos-ainda-melhores.htm www.tecmundo.com.br/minha-serie/50981-chuck-norris-participa-de-episodio-de-hawaii-five-0.htm www.tecmundo.com.br/empresa/leam-ninja_1424.htm www.tecmundo.com.br/voxel/302337-93-imagens-para-o-jogo-dead-or-alive-paradise-psp.htm www.tecmundo.com.br/empresa/tecmo-koei_1889.htm www.tecmundo.com.br/voxel/120295-crysis-3-desenvolvedores-prometem-derreter-os-pcs.htm www.tecmundo.com.br/voxel/133843-nfc-north-trailer-para-madden-nfl-11-ps2.htm www.tecmundo.com.br/cultura-geek/83593-misteriosa-producao-cgi-ultraman-caras-youtube-video.htm www.tecmundo.com.br/video-game-e-jogos/27760-quais-franquias-de-games-para-pc-estao-em-alta-e-em-baixa-entre-os-jogadores-.htm www.tecmundo.com.br/dispositivos-moveis/127067-pelo-visto-a-samsung-se-superou-na-estranheza-do-design-do-dex-pad.htm</div>

Problem: Matéria nova

não sincronizada

Event time 08:50:11 2025.04.24

Host Sincronização Matérias Tecmundo

Severity Warning

Operational data 24/04/2025 - produto/404120-tenis-de-corrída-com-ate-60-off-na-netshoes-olympikus-adidas-asics-mizuno-e-mais.htm

Event Info

Negócio

Monitorando Audiência



Google Analytics

Negócio- O que monitoramos hoje ?

- ▶ *Tempo real de visitantes.*
- ▶ *Tempo real de pageviews.*
- ▶ *Tempo real de dispositivos.*
- ▶ *Tempo de engajamento.*
- ▶ *Top 20 páginas mais acessadas.*
- ▶ *Origem das requisições.*
- ▶ *Visitantes diários.*
- ▶ *Pageviews diárias.*
- ▶ *Visitantes mês.*
- ▶ *Pageviews mês.*
- ▶ *Comparação dia e mês anterior.*



Negócio- O que monitoramos hoje ?

Host	Name	Last check	Last value
Audiencia-Tecmundo	Visitas directas - Hoje	4m 37s	13.086
Audiencia-Tecmundo	Visitantes - Real Time	1s	1794
Audiencia-Tecmundo	Visitantes - Ontem	11h 12m 32s	136.090
Audiencia-Tecmundo	Visitantes - Hoje	6m 12s	58.304
Audiencia-Tecmundo	Visitantes - Acumulado Mês	4m 23s	2.860.447
Audiencia-Tecmundo	Top 20 páginas - Today	1m 8s	<html> <head> <meta charset...
Audiencia-Tecmundo	Top 20 páginas - Mês	4m 11s	<html> <head> <meta charset...
Audiencia-Tecmundo	Tablet - Real Time percent	7s	0.3 %
Audiencia-Tecmundo	Tablet - Real Time	48s	6
Audiencia-Tecmundo	Tablet - Acumulado Mês	4m 16s	33.505
Audiencia-Tecmundo	Pageviews - Real Time	4s	2000
Audiencia-Tecmundo	Pageviews - Ontem	11h 12m 31s	284.200
Audiencia-Tecmundo	Pageviews - Hoje	4m 46s	129.168
Audiencia-Tecmundo	Pageviews - Acumulado Mês	4m 21s	5.442.931
Audiencia-Tecmundo	Mobile - Real Time percent	3s	42.1352 %
Audiencia-Tecmundo	Mobile - Real Time	10s	742
Audiencia-Tecmundo	Mobile - Hoje	4m 41s	43.883
Audiencia-Tecmundo	Mobile - Acumulado Mês	4m 18s	2.281.731
Audiencia-Tecmundo	Links externos - Hoje	4m 31s	2.541
Audiencia-Tecmundo	Instagram - Hoje	4m 27s	5
Audiencia-Tecmundo	Google - Hoje	4m 34s	51.394
Audiencia-Tecmundo	Flipboard - Hoje	4m 24s	373
Audiencia-Tecmundo	Facebook - Hoje	4m 32s	2.150
Audiencia-Tecmundo	Desktop - Real Time percent	2s	56.6156 %
Audiencia-Tecmundo	Desktop - Real Time	2s	1010
Audiencia-Tecmundo	Desktop - Hoje	4m 43s	15.055



Iter

JavaScript

function (value) {
1 return value.replace(/\\B(?:=\\d{3})+(?!\\d))/g, ".");
}
65484 characters remaining

ApplyCancel

UpdateCloneTestDeleteCancel

Negócio – Como monitoramos ?

- ▶ *External check.*
- ▶ *API do Zabbix.*
- ▶ *Item Calculado.*
- ▶ *Zabbix sender / trapper*



```
Key ▲
get-ga-month.sh[desktop,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-month.sh[mobile,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-month.sh[pageviews,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-month.sh[tablet,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-month.sh[visitantes,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-origins-today.sh[bing,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-origins-today.sh[direct,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-origins-today.sh[facebook,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-origins-today.sh[flipboard,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-origins-today.sh[google,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-origins-today.sh[instagram,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-origins-today.sh[links,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-pages-month.sh[{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-pages-today.sh[{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-realtime.sh[desktop,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-realtime.sh[mobile,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-realtime.sh[pageviews,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-realtime.sh[tablet,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-realtime.sh[visitantes,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-today.sh[desktop,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-today.sh[mobile,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-today.sh[pageviews,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
get-ga-today.sh[visitantes,{ $PROPERTY_ID},{ $CREDENTIALS_FILE}]
```

Origens - Hoje

Bing - Hoje
1.808

Facebook - Hoje
2.405

Flipboard - Hoje
444

Google - Hoje
58.364

Instagram - Hoje
9

Links externos - Hoje
2.763

Visitas diretas - Hoje
14.903

Dispositivos - Hoje

Desktop - Hoje
17.129

Mobile - Hoje
50.227

Tablet - Hoje
576

Audiencia acumulada do dia

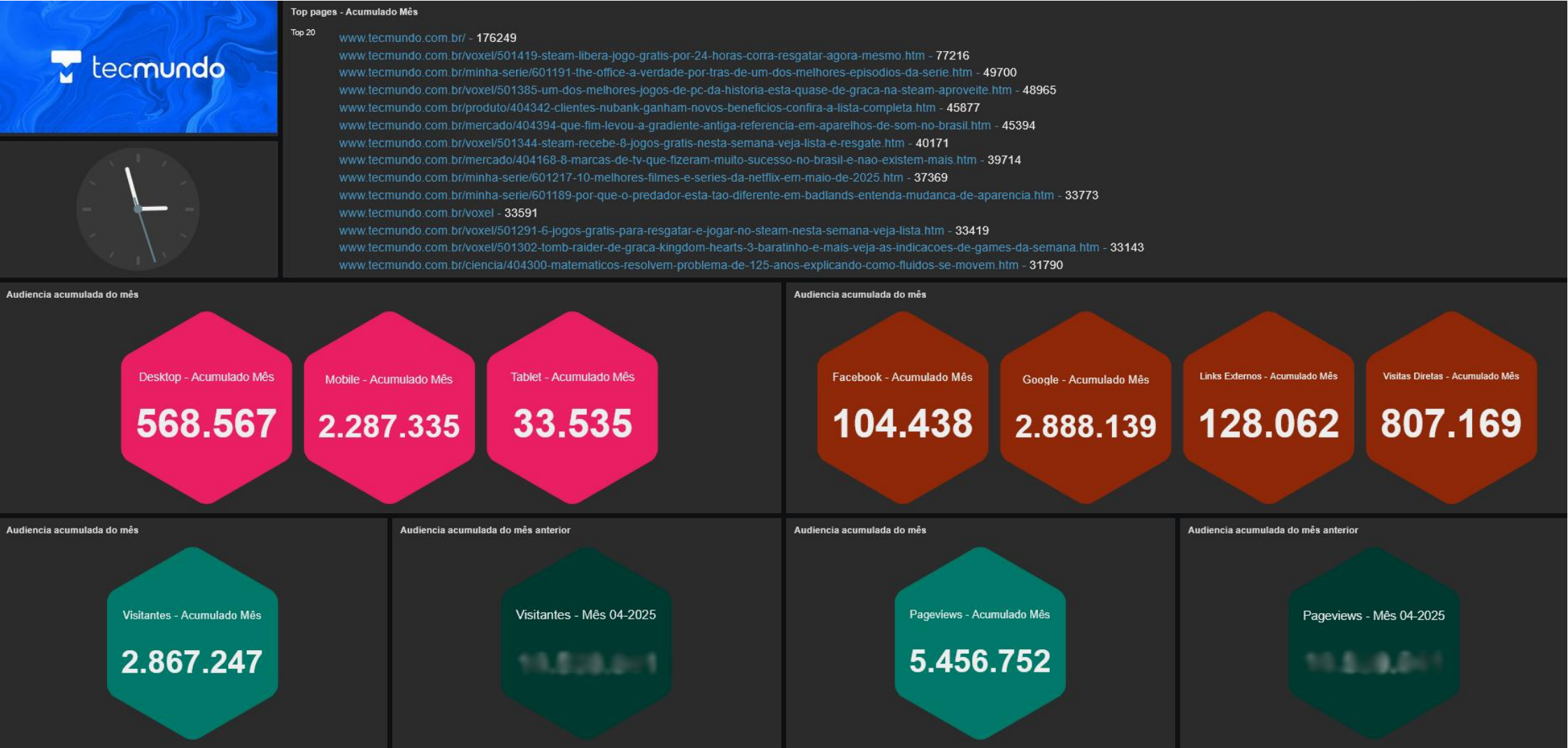
Visitantes - Hoje
67.721

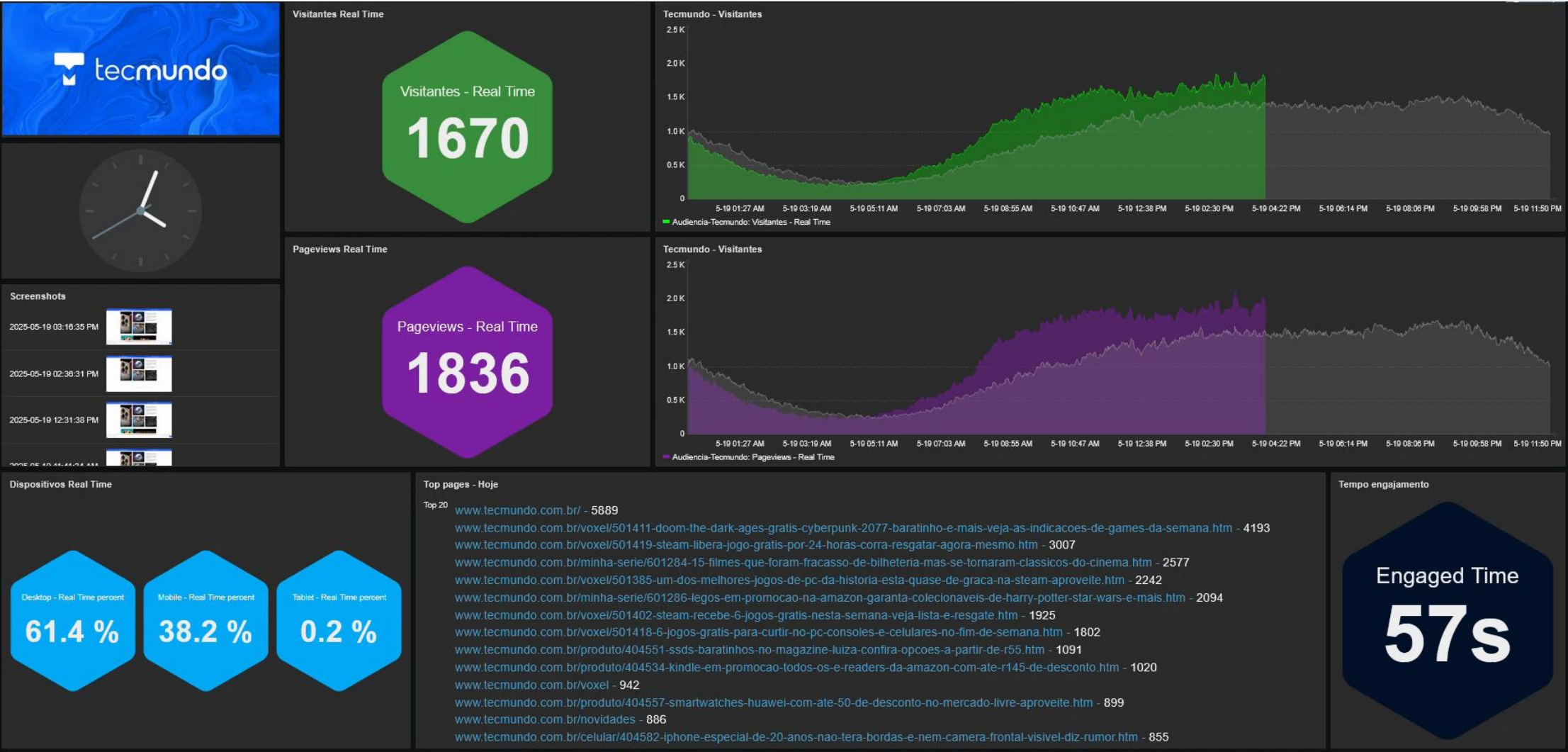
Visitantes - Ontem
136.090

Audiencia acumulada do dia

Pageviews - Hoje
149.490

Pageviews - Ontem
284.200





Próximos passos?

- ▶ Audiencia por caderno
 - Criar o monitoramento por caderno do Tecmundo (Minha Série e Voxel).
- ▶ Replicar para outras verticais
 - Mega Curioso, Baixaki e Click Jogos.
- ▶ Evoluir no monitoramento pra SEO
 - Verificação de robots e sitemap, validação de Headers. Ex.: Canonical.
- ▶ Monitoramento da CDN
 - Validação de regras, disponibilidade de edges, WAF, bots, etc.

Primeiro a gente começa, depois a gente melhora

obrigado

A hand holding a red marker is shown at the bottom right, drawing a double underline under the word 'obrigado'. The word is written in a red, cursive script.