

# 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](https://www.linkedin.com/in/kleber-prando)



# Monitoramento Tecmundo De Infra à Regra de negócio

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Qual era o cenário?

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



# Monitoramento Tecmundo De Infra à Regra de negócio

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## 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.

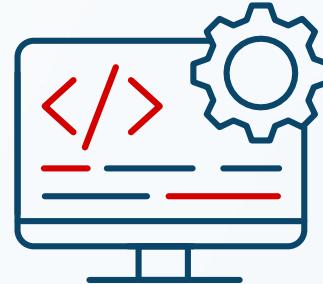
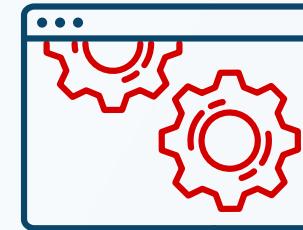
# Monitoramento Tecmundo De Infra à Regra de negócio

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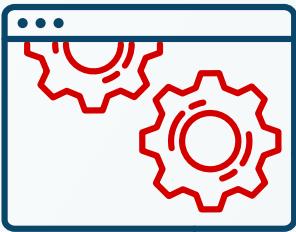
3 Tópicos:

- Infraestrutura
- Desenvolvimento
- Negócio

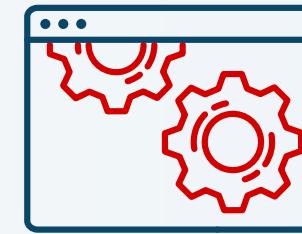


# Infraestrutura

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



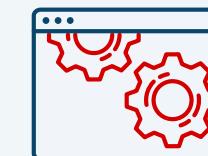
# Infraestrutura - O que monitoramos hoje ?

## ► 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	8m 13s	0	
AZR-Redis-prod	Memory Usage	1m 14s	91 %	-6 %
AZR-Redis-prod	Server Load	1m 8s	13 %	+11 %

## ► Custos Azure

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



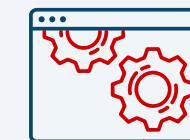
# Infraestrutura - O que monitoramos hoje ?

## ► 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 %	+0.086 %
AZR-Mysql-prod	Limit storage usage	20m 24s	27.94 %	
AZR-Mysql-prod	Memory Percent	46s	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

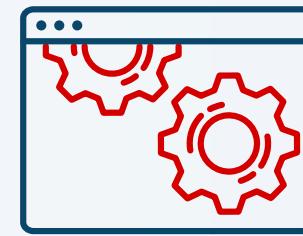
Host	Name	Last check	Last value	Change
AZR-AKS-Prod	Nodes CPU Percent <small>?</small>	2m 50s	75.1333 %	+2.0333 %
AZR-AKS-Prod	Nodes Memory Gigabytes Used	45s	7.28 GB	+19.92 MB
AZR-AKS-Prod	Nodes Memory Percent	2m 46s	54.5 %	+0.6333 %
AZR-AKS-Prod	Nodes Network Inbound	2m 46s	8.57 Mbps	+474.67 Kbps
AZR-AKS-Prod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



# Infraestrutura – Como monitoramos ?

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



# Infraestrutura – Como monitoramos ?

Item

\* 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

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 Remove

Add

\* Timeout: Global Override 4s Timeouts

\* History: Do not store Store up to 90d

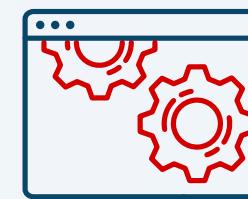
\* Trends: Do not store Store up to 365d

Value mapping:

Populates host inventory field: -None-

Description: Verifica o uso da porta 443 pelo web server

Enabled:

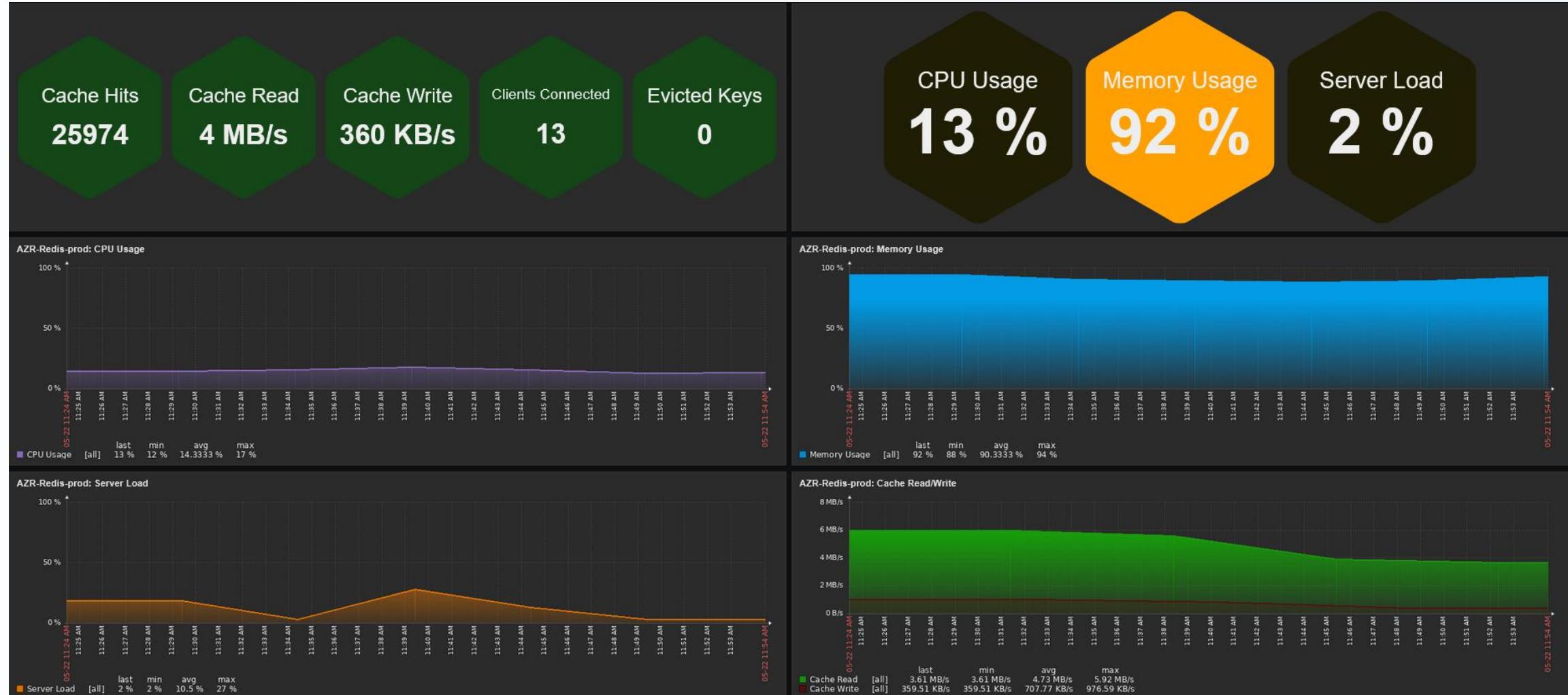


\* Name: Nodes CPU Percent

Type: External check

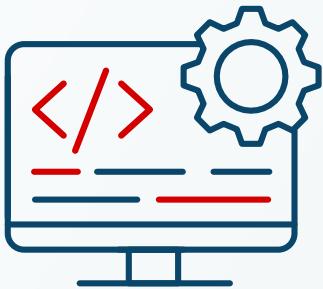
\* Key: azure\_aks.sh["{\$RESOURCEGROUP}","{\$CLUSTERNAME}",node\_cpu\_percent] Select

```
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

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Azure

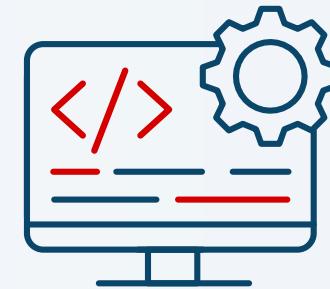
 kubernetes

AZION

# Desenvolvimento - O que monitoramos hoje ?

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- ▶ *Metricas 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 ?

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



# Desenvolvimento – Como monitoramos ?

\* Name Páginas com erro 404

Type HTTP agent

\* Key get404

Type of information Text

\* URL <https://api.azionapi.net/events/graphql>

Query fields

Name	Value
name	⇒ value

Add

Request type GET

Request body type Raw data JSON data XML data

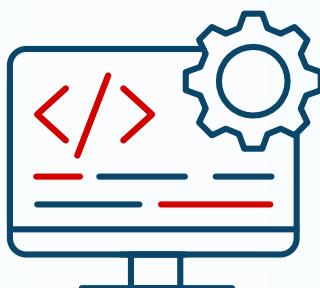
Request body

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

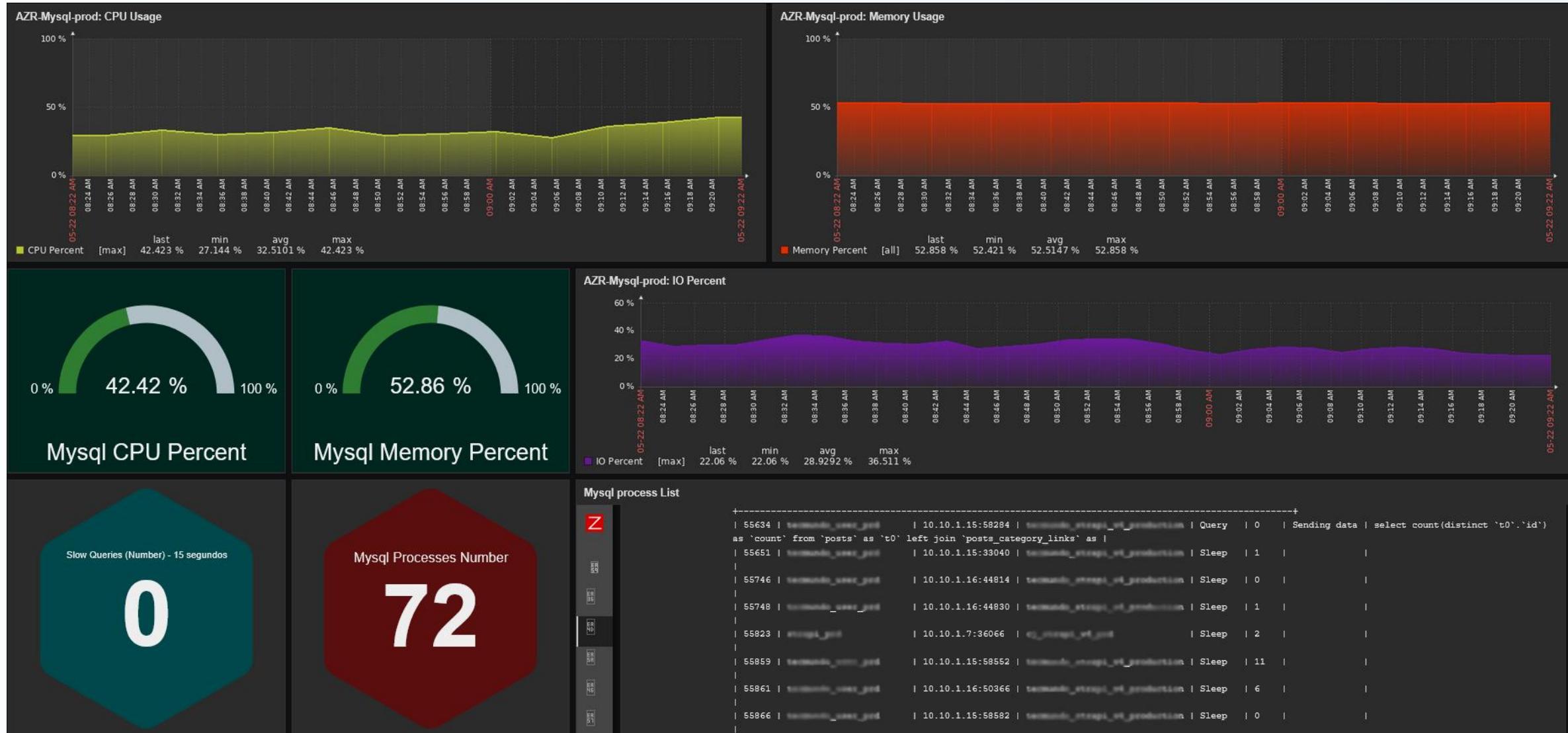
Type Zabbix agent (active)

\* Key log[/usr/lib/zabbix/logs/tecmundo-[REDACTED].log]

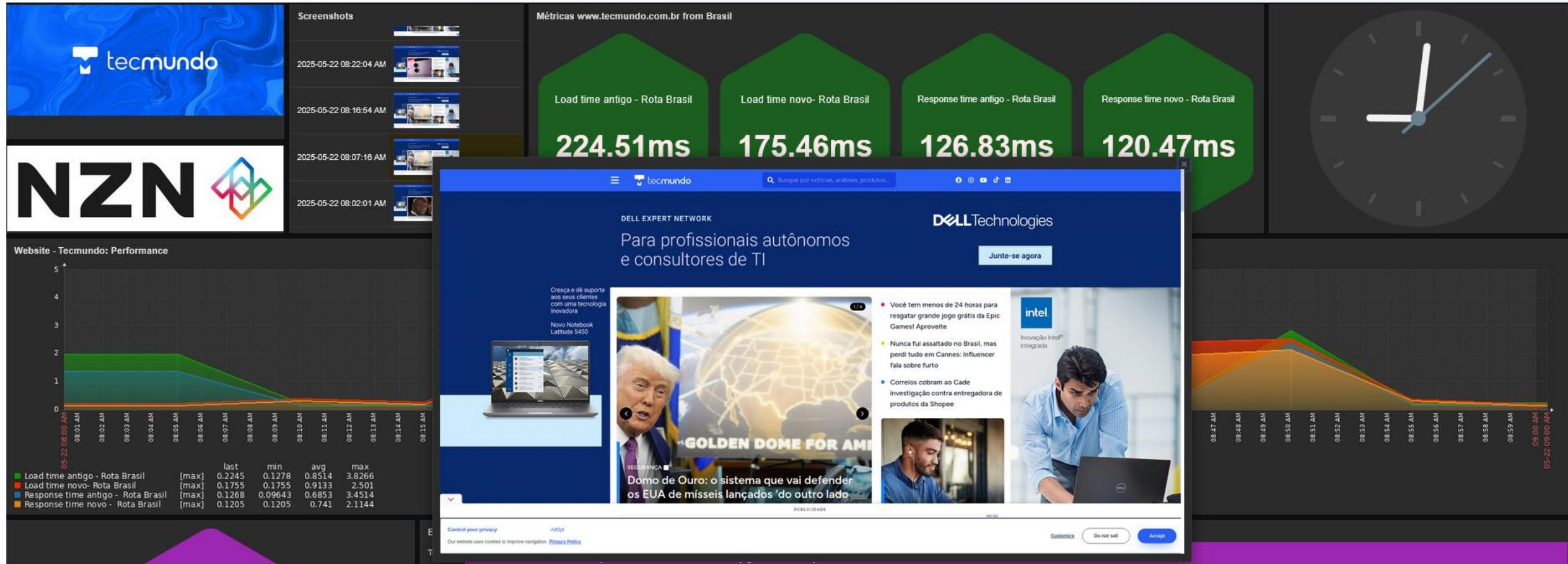
Select

Type of information Log

\* Update interval 10m









## Pods Tecmundo



## Logs Tecmundo-xxx (Pods)

```
Logs: [2025-05-09 08:50:32] [tecmundo-xxx-666c94856c-27b9d] × TypeError: fetch failed
Logs: at Object.fetch (node:internal/deps/undici/undici:11576:11)
Logs: at async r (/app/.next/server/chunks/5607.js:9:10548)
Logs: at async d (/app/.next/server/pages/[category].js:1:1598)
Logs: at async e6 (/app/node_modules/next/dist/compiled/next-server/pages.runtime.prod.js:31:593)
Logs: at async doRender (/app/node_modules/next/dist/server/base-server.js:1365:30)
Logs: at async cacheEntry.responseCache.get.routeKind (/app/node_modules/next/dist/server/base-server.js:1539:28)
Logs: at async NextNodeServer.renderToResponseWithComponentsImpl (/app/node_modules/next/dist/server/base-server.js:1447:28)
Logs: at async NextNodeServer.renderPageComponent (/app/node_modules/next/dist/server/base-server.js:1844:24)
Logs: at async NextNodeServer.renderToResponseImpl (/app/node_modules/next/dist/server/base-server.js:1882:32)
Logs: at async NextNodeServer.pipelineImpl (/app/node_modules/next/dist/server/base-server.js:895:25)
...
```

## Logs Tecmundo-yyy (Pods)

```
Logs: [2025-05-09 17:50:11] [tecmundo-yyy-546554575c-4c5gd] [2025-05-09 20:48:00.296] [31error|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).
Logs: [2025-05-09 17:50:11] [tecmundo-yyy-546554575c-4c5gd] [2025-05-09 20:00:00.345] [31error|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).
Logs: [2025-05-09 17:50:11] [tecmundo-yyy-546554575c-4c5gd] [2025-05-09 19:48:00.262] [31error|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).
Logs: [2025-05-09 17:50:11] [tecmundo-yyy-546554575c-4c5gd] [2025-05-09 19:18:00.416] [31error|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).
Logs: [2025-05-09 17:50:11] [tecmundo-yyy-546554575c-4c5gd] [2025-05-09 19:18:00.414] [31error|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).
Logs: [2025-05-09 17:50:11] [tecmundo-yyy-546554575c-4c5gd] [2025-05-09 19:15:00.534] [31error|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).
Logs: [2025-05-09 17:50:22] [tecmundo-yyy-546554575c-qjcqj] [2025-05-09 20:48:00.294] [31error|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).
Logs: [2025-05-09 17:50:22] [tecmundo-yyy-546554575c-qjcqj] [2025-05-09 20:00:00.274] [31error|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).
```

Paginas com erro 404

**44**

Erros 404 - Lista

Top 50

```
www.tecmundo.com.br/voxel/noticias/l-noire-part-two-tem-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-series-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-tomada-ou-via-usb-sabia-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
```

Paginas com erro 500

**91**

Erros 500 - Lista

Top 50

```
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/team-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-estraneza-do-design-do-dex-pad.htm
```

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-corrida-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 ?

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- ▶ *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 diretas - 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



Item: JavaScript

```
function (value) {
  return value.replace(/\B(?=(\d{3})+(!\d))/g, ".");
}
```

65484 characters remaining

Apply Cancel

Update Clone Test Delete Cancel

# 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

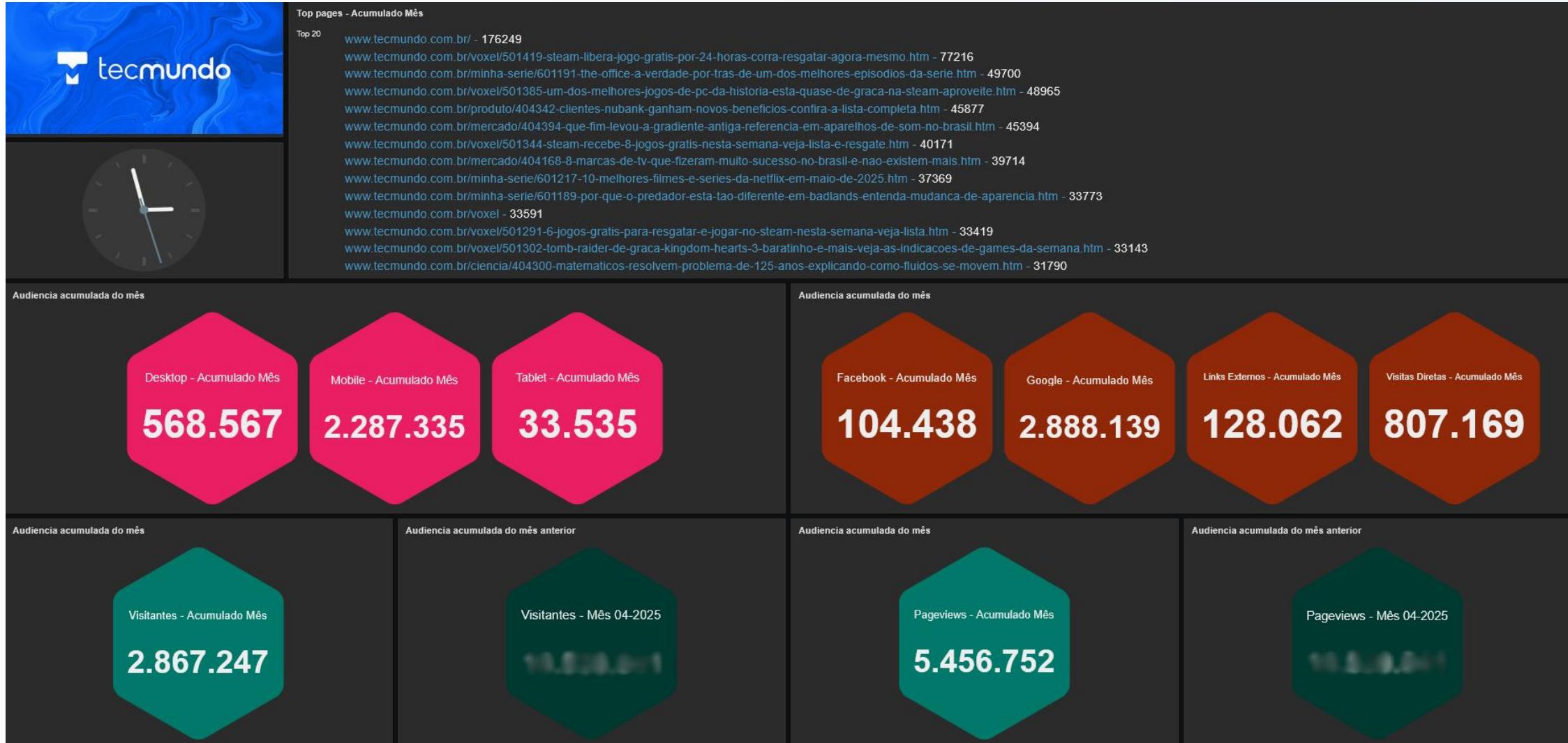
Visitantes - Hoje  
**67.721**

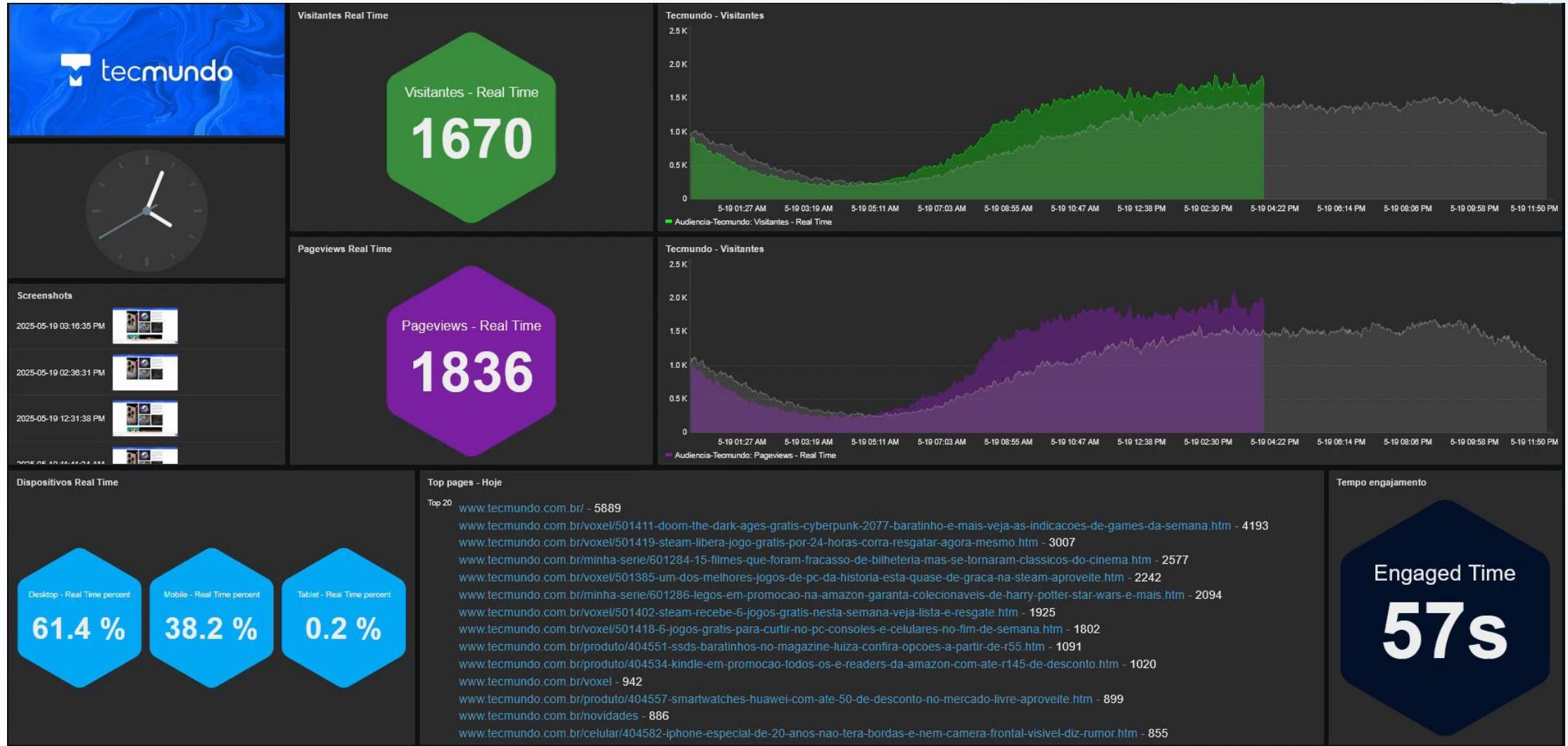
Visitantes - Ontem  
**136.090**

Audiencia acumulada do dia

Pageviews - Hoje  
**149.490**

Pageviews - Ontem  
**284.200**





# Próximos passos?

ZABBIX '25  
CONFERENCE  
LATIN AMERICA

- ▶ 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**

