[WRO] 3 spotkanie Microsoft Azure User Group Poland we Wrocławiu
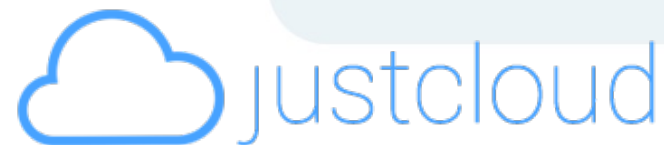
Marek Zalewski

Partnerzy

Marek Zalewski

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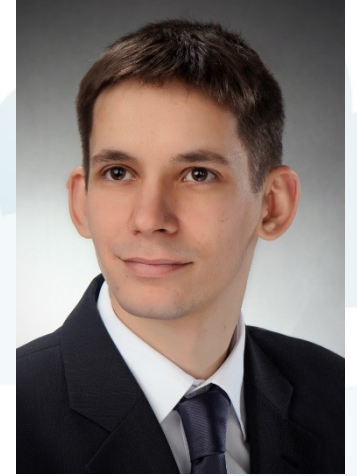http://www.goldenline.pl/2553366

INTRATIC
SOFTWARE SOLUTIONS FOR BUSINESS
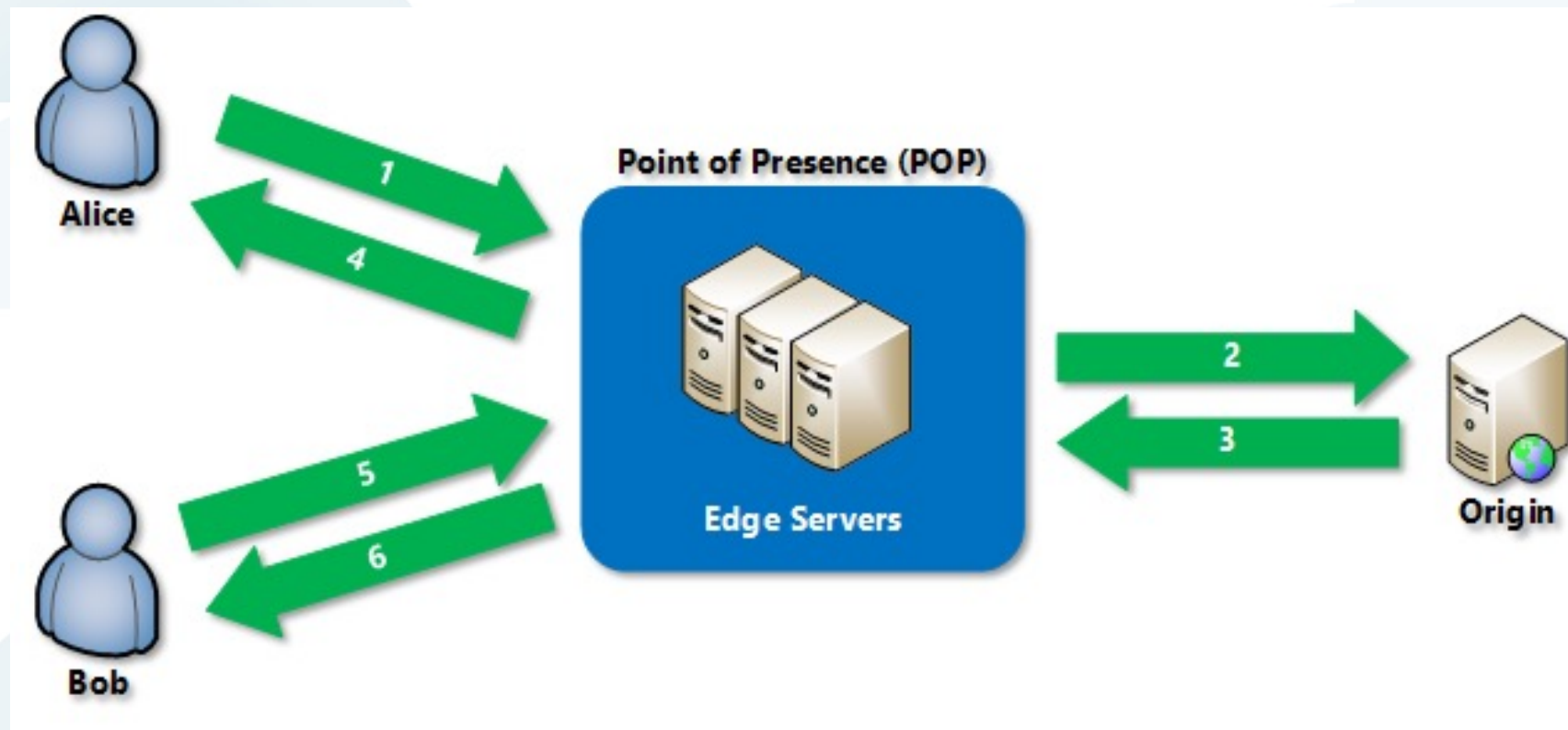
www.intratic.eu

CDN – Content Delivery Network

1. Omówienie usługi
2. Zasoby
3. Konfiguracja i zarządzanie
4. Koszty

CDN – umówienie usługi

CDN – produkty usługi

- **Google:** 1 000 000
- **Intel:** 100 000
- **1&1 Internet:** 70 000
- **OVH:** 65 000
- **Akamai Technologies:** 61 000
- **Rackspace:** 56 671
- **The Planet:** 48 500
- **Facebook:** 30 000
- **SBC Communications:** 29 193
- **Verizon:** 25 788
- **Time Warner Cable:** 24 817
- **SoftLayer:** 21 000
- **AT&T:** 20 268
- **Peer1/ServerBeach:** 10 277
- **Apple (iWeb):** 10 000

*MS > 50 000

Choose your pricing tier

Browse the available plans and their features

The premium pricing tier adds powerful features, advanced analytics, and more. Price varies based on region and data usage. Learn more

P1 Premium Verizon	**S1** Standard Verizon	**S2** Standard Akamai
SSL for CDN endpoint	SSL for CDN endpoint	SSL for CDN endpoint
Content Purge/Load	Content Purge/Load	Content Purge
Compression	Compression	Compression
Query strings caching	Query strings caching	Query strings caching
Country filtering	Country filtering	
Rules engine	Core analytics	
Advanced analytics		
Realtime analytics		

CDN – Zasoby

- POP (Point of Presence)
  - https://azure.microsoft.com/pl-pl/documentation/articles/cdn-pop-locations/
- Protokoły – HTTP / HTTPS
- Porty źródłowe
  - https://msdn.microsoft.com/library/mt757337.aspx

CDN – Konfiguracja i zarządzanie

- (Azure) Powershell

New-AzureRmCdnProfile

    -ProfileName CdnPoshDemo

    -ResourceGroupName CdnDemoRG

    -Sku StandardAkamai -Location "Central US" |

  New-AzureRmCdnEndpoint

    -EndpointName cdnposhdoc

    -OriginName "Contoso"

    -OriginHostName "www.contoso.com"

```
PS C:\> Get-Command -Module AzureRM.Cdn

CommandType     Name
-----------     ----
Cmdlet          Get-AzureRmCdnCustomDomain
Cmdlet          Get-AzureRmCdnEndpoint
Cmdlet          Get-AzureRmCdnEndpointNameAvailability
Cmdlet          Get-AzureRmCdnOrigin
Cmdlet          Get-AzureRmCdnProfile
Cmdlet          Get-AzureRmCdnProfileSsoUrl
Cmdlet          New-AzureRmCdnCustomDomain
Cmdlet          New-AzureRmCdnEndpoint
Cmdlet          New-AzureRmCdnProfile
Cmdlet          Publish-AzureRmCdnEndpointContent
Cmdlet          Remove-AzureRmCdnCustomDomain
Cmdlet          Remove-AzureRmCdnEndpoint
Cmdlet          Remove-AzureRmCdnProfile
Cmdlet          Set-AzureRmCdnEndpoint
Cmdlet          Set-AzureRmCdnOrigin
Cmdlet          Set-AzureRmCdnProfile
Cmdlet          Start-AzureRmCdnEndpoint
Cmdlet          Stop-AzureRmCdnEndpoint
Cmdlet          Test-AzureRmCdnCustomDomain
Cmdlet          Unpublish-AzureRmCdnEndpointContent
```

CDN – Konfiguracja i zarządzanie

- Ograniczanie dostępu z różnych państw (tylko w Verizon Std/Prem)
  - Definicja ścieżki (/photos)
  - Definicja akcji (block/allow)
  - Definicja państw (PL/EU)
    - https://msdn.microsoft.com/library/mt761717.aspx

CDN – Konfiguracja i zarządzanie

- Kompresja (Akamai, Verizon Std/Prem)
  - Serwer źródłowy czy serwery CDN?
  - Formaty plików
    - Niezalecana kompresja ZIP, MP4, JPG itp.
  - Warunki kompresji
    - https://azure.microsoft.com/pl-pl/documentation/articles/cdn-improve-performance/#compression-rules

CDN – Konfiguracja i zarządzanie

- Wstępne ładowanie elementów zawartości (tylko Verizon Std/Prem)
  - Opóźnienie związane z pierwszym zapytaniem
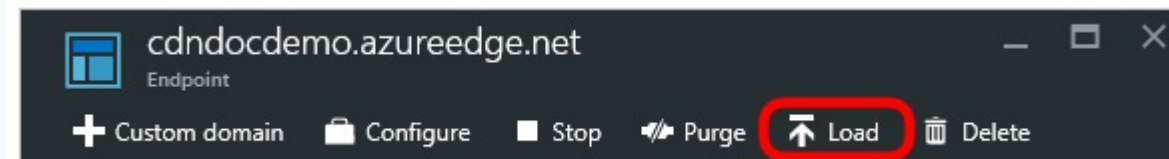
- Czyszczenie elementów zawartości
  - Pojedyncze pliki, wszystkie lub grupy w Verizon (wildcard)

CDN – Koszty

Azure CDN Standard from Verizon

OUTBOUND DATA TRANSFERS	ZONE 1 [1]	ZONE 2 [1]	ZONE 3 [1]	ZONE 4 [1]	ZONE 5 [1]
First 10 TB [2] /Month	€0.0734 per GB	€0.1164 per GB	€0.2108 per GB	€0.1181 per GB	€0.1434 per GB
Next 40 TB (10 – 50 TB) /Month	€0.0675 per GB	€0.1096 per GB	€0.1687 per GB	€0.1138 per GB	€0.1096 per GB
Next 100 TB (50 – 150 TB) /Month	€0.0506 per GB	€0.1012 per GB	€0.1518 per GB	€0.1012 per GB	€0.0928 per GB
Next 350 TB (150 – 500 TB) /Month	€0.0337 per GB	€0.0843 per GB	€0.1349 per GB	€0.0843 per GB	€0.0843 per GB
Next 524 TB (500 – 1,024 TB) /Month	€0.0253 per GB	€0.0675 per GB	€0.1181 per GB	€0.0801 per GB	Contact us
Next 4,096 TB (1,024 – 5,120 TB) /Month	€0.0211 per GB	€0.059 per GB	€0.1096 per GB	€0.0759 per GB	Contact us
Over 5,120 TB /Month	Contact us	Contact us	Contact us	Contact us	Contact us

[1] For Zone details, please refer to the FAQ below.
[2] 1 TB = 1,024 GB

CDN – Koszty

Azure CDN Premium from Verizon

OUTBOUND DATA TRANSFERS	ZONE 1 [1]	ZONE 2 [1]	ZONE 3 [1]	ZONE 4 [1]	ZONE 5 [1]
First 10 TB [2] /Month	€0.1434 per GB	€0.2108 per GB	€0.4217 per GB	€0.2361 per GB	€0.2867 per GB
Next 40 TB (10 – 50 TB) /Month	€0.1265 per GB	€0.1855 per GB	€0.3584 per GB	€0.2024 per GB	€0.2446 per GB
Next 100 TB (50 – 150 TB) /Month	€0.1096 per GB	€0.1602 per GB	€0.3036 per GB	€0.1687 per GB	€0.2066 per GB
Next 350 TB (150 – 500 TB) /Month	€0.0928 per GB	€0.1349 per GB	€0.253 per GB	€0.1434 per GB	€0.1771 per GB
Next 524 TB (500 – 1,024 TB) /Month	€0.0843 per GB	€0.1181 per GB	€0.2193 per GB	€0.1223 per GB	Contact us
Next 4,096 TB (1,024 – 5,120 TB) /Month	€0.0759 per GB	€0.1012 per GB	€0.1897 per GB	€0.1054 per GB	Contact us
Over 5,120 TB /Month	Contact us	Contact us	Contact us	Contact us	Contact us

[1] For Zone details, please refer to the FAQ below.
[2] 1 TB = 1,024 GB

CDN – Przydatne linki

https://portal.azure.com/

https://azure.microsoft.com/pl-pl/documentation/articles/cdn-overview/

https://azure.microsoft.com/en-us/support/legal/sla/cdn/v1_0/ - SLA

https://azure.microsoft.com/pl-pl/documentation/articles/cdn-pop-locations/ - POPs

https://azure.microsoft.com/pl-pl/pricing/details/cdn/ - Cennik

Dziękuję za uwagę!

Marek Zalewski

Partnerzy