INFINUM

NAPREDNI WP ROCKET
Ahaa trenutci

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Primjer

Frižider

Zašto cachirati?
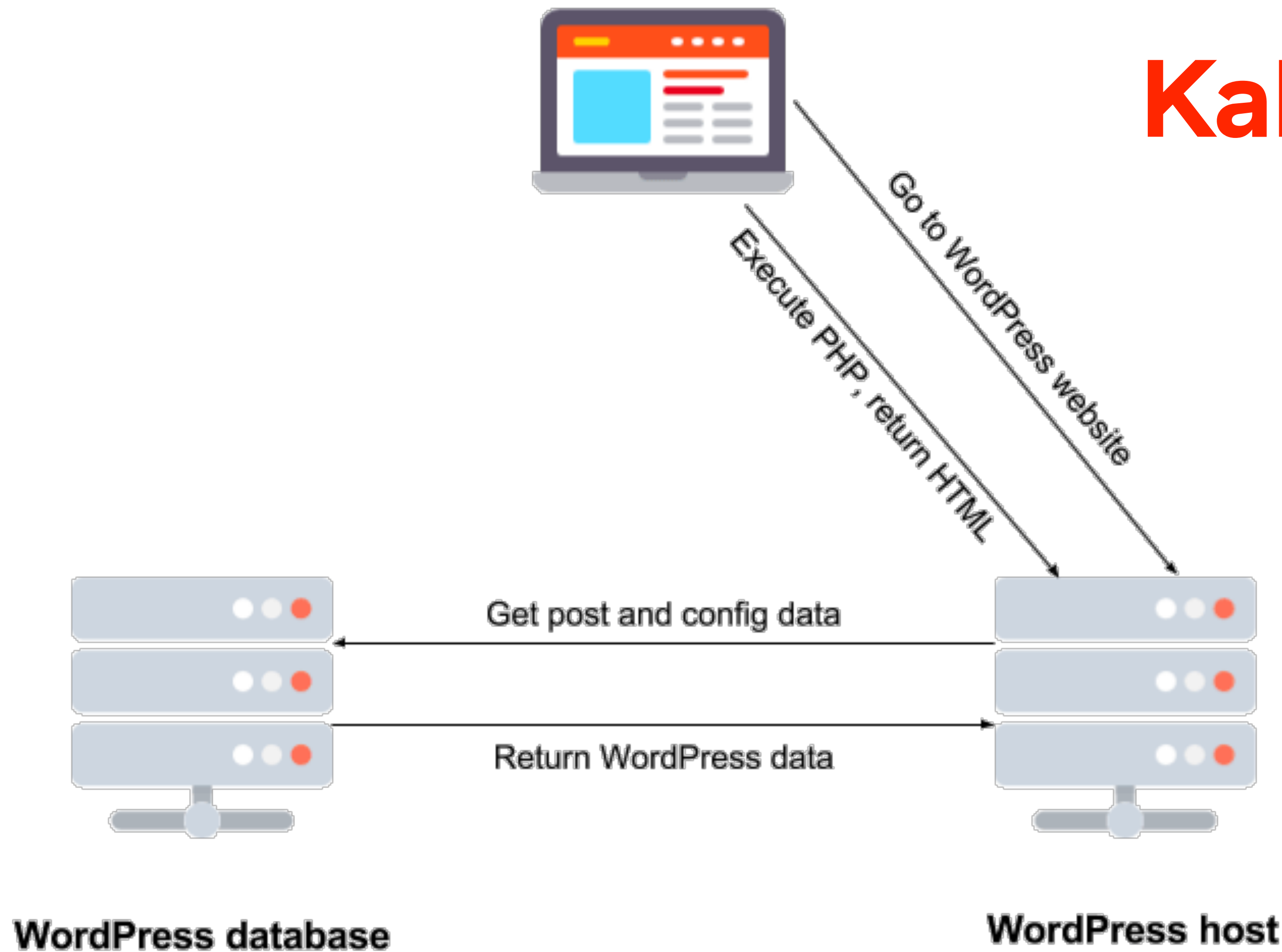
Server

Brzina

Google pozicija

UX

Brza aplikacija = Sretan Korisnik = Sretan Klijent

You and your web browser

Kako cache radi?

Go to WordPress website

Execute PHP, return HTML

Get post and config data

Return WordPress data

WordPress database

WordPress host

Vrste cacha

Server–size

Page caching

Mobile caching

User caching

Database query caching

Object–based caching
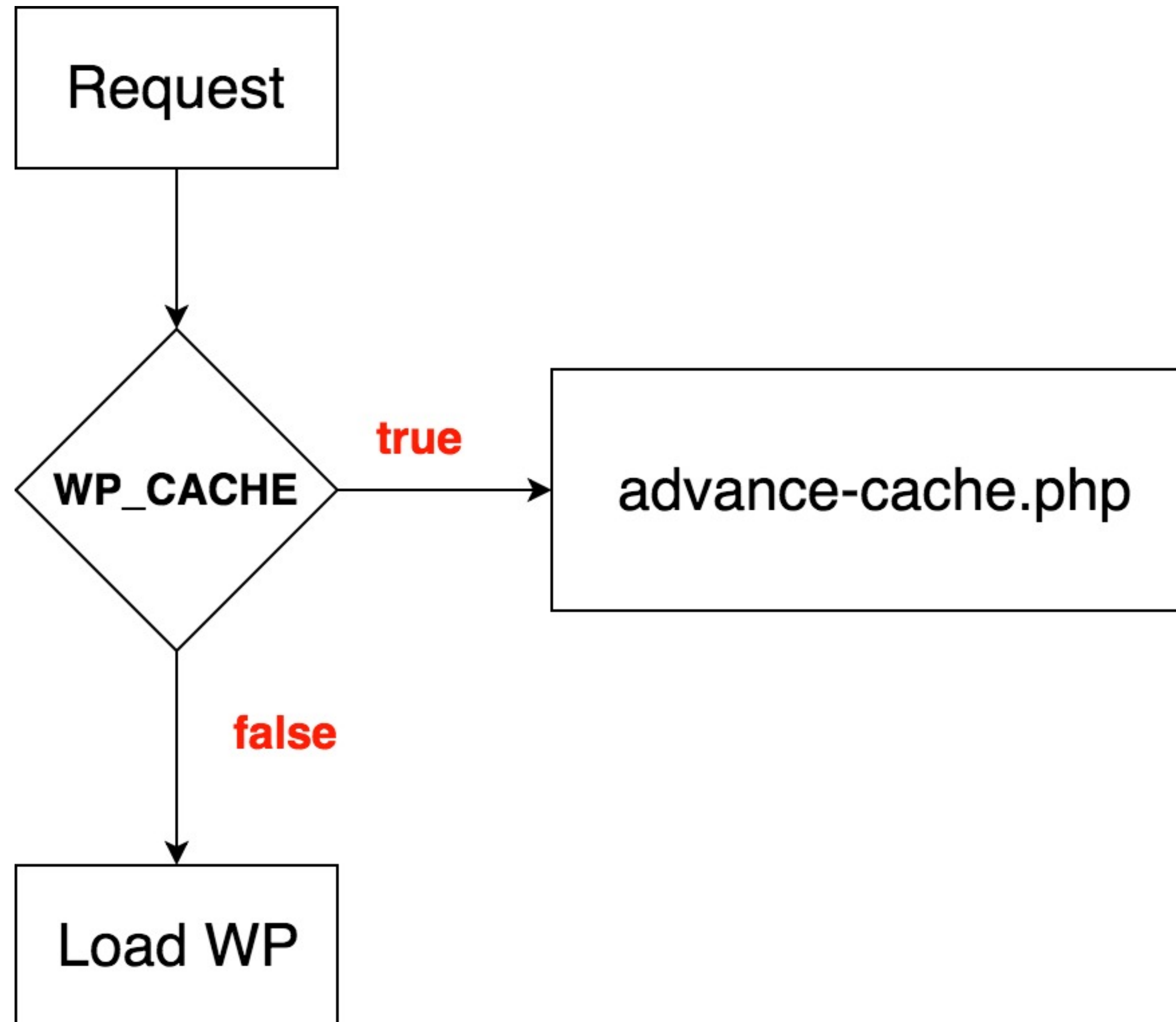
Opcode caching

Client–Side

WORDPRESS CACHE

Kako radi?

wp-setting.php

enable_loading_advanced_cache_dropin

Proces

WordPress cache plugins

W3 Total Cache

WP Rocket

WP Super Cache

WP Fastest Cache

Comet Cache

Cache Enabler

Hyper Cache

Treba li mi plugin?

Tehnički ne, ali da!

WP ROCKET

02

Zašto da?

Jednostavan setup

Cache preloading

Optimizacija baze podataka

Lazyloading
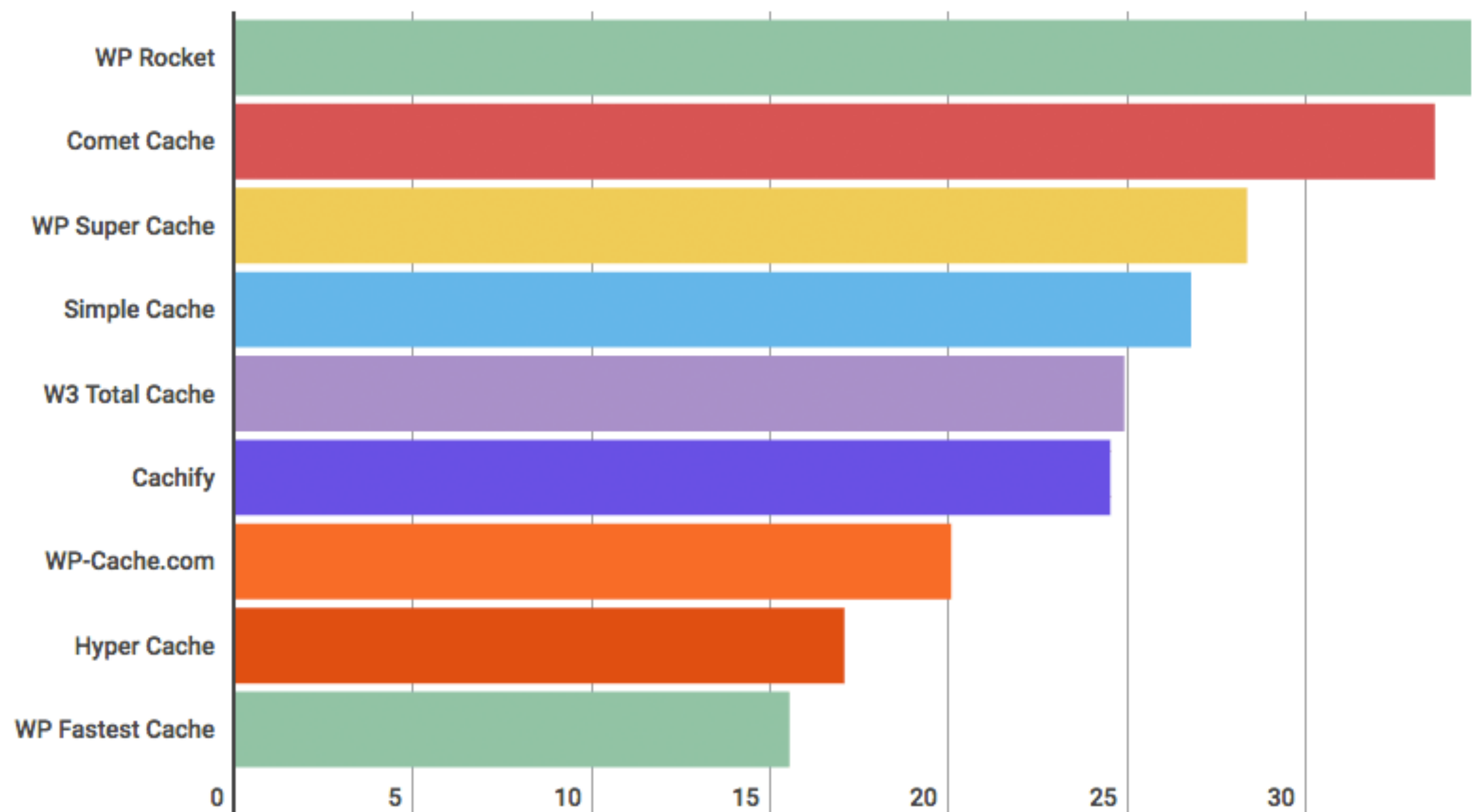
Caching Rest Api ruta

Najbrži

Odličan support

Super debug log (WP_ROCKET_DEBUG)

Zašto ne?

Nije besplatan

Advance stvari treba razumjeti

AHAA TRENUTCI

Setup

Decoupled WordPress

Frontend App on JS

Problemi

REST API jako spor

Plugin koji cachira rest rute

Ne razumijevanje cache procesa

Problem 1

Rocket konfiguracija

- ▲ **wp-content**
  - ▷ cache
  - ▷ **mu-plugins**
  - ▷ **plugins**
  - ▷ **themes**
  - ▷ upgrade
  - ▷ uploads
  - ▲ wp-rocket-config
    - ⚙ .htaccess
    - 🐘 **dev-api.go.com.php**
  - 🐘 advanced-cache.php

```php
<?php
defined( 'ABSPATH' ) or die( 'Cheatin\' uh?' );

$rocket_cookie_hash = 'db82725e6d615ecb4b53f1f63254ff4b';
$rocket_cache_mobile_files_tablet = 'desktop';
$rocket_do_caching_mobile_files = '1';
$rocket_cache_ssl = '1';
$rocket_cache_reject_uri = '/(.+/)?feed/?|/wc-api/v(.*)|/(index\.php/)?wp\-json(/.*|$)';
$rocket_cache_reject_cookies = 'wordpress_logged_in_|wp-postpass_|wptouch_switch_toggle';
$rocket_cache_reject_ua = 'facebookexternalhit';
$rocket_cache_query_strings = array (
  0 => 'q',
);
$rocket_secret_cache_key = '5c347b065a2a2146976650';
$rocket_cache_mobile = '0';
$rocket_cache_mandatory_cookies = '';
$rocket_cache_dynamic_cookies = array (
);
```

Rješenje 1

Rocket konfiguracija

Resave admin konfiguraciju

Ili

Reaktivirati plugin

Problem 2

Rest rute ne rade out of the box

Rješenje 2

Treba dodati filter hook

```php
add_filter( 'rocket_cache_reject_wp_rest_api', 'enable_rest_api_cache' );
add_filter( 'rocket_cache_reject_wc_rest_api', 'enable_rest_api_cache' );


  /**
   * Enable Rest Api caching
   *
   * @since 1.0.0
   */
  public function enable_rest_api_cache() {
    return false;
  }
```

WP-ROCKET-CONFIG

```php
$rocket_cache_reject_uri = '/(.+/)?feed/?|/(index\.php/)?wp\-json(/.*|$)';
```

```php
$rocket_cache_reject_uri = '/(.+/)?feed/?';
```

CACHED FILES

▲ **wp-content**
   ▲ cache
      ▷ busting
      ▷ critical-css
      ▷ min
   ▲ wp-rocket
      ▲ dev-api.go.com
         ▲ wp-json
            ▲ wc
               ▲ v2
                  ▲ products
                     ▲ slug=entertainment-king
                        ≡ .mobile-active
                        <> index-https.html
                        ≡ index-https.html_gzip
                     ▲ **slug=iphone-8-plus**
                        ≡ .mobile-active
                        <> index-https.html
                        ≡ index-https.html_gzip

Problem 3

Cachiranje rest rute po ID–u

Radi samo za ID:

/wp–json/wp/v2/pages/1344

Nama treba slug:

/wp–json/wp/v2/pages?slug=home

Rješenje 3

Cachiranje rest rute po ID-u

```
WP-ROCKET-CONFIG


$rocket_cache_query_strings = array (
  0 => 'q',
);



$rocket_cache_query_strings = array (
  0 => 'slug',
  1 => 'q',
);
```

```php
add_filter( 'rocket_cache_query_strings', 'query_string_list' );


  /**
   * List all Query strings to cache.
   *
   * @param array $items Items from the admin.
   * @since 1.0.0
   */
  public function query_string_list( $items ) {

    $items[] = 'slug';

    return $items;
  }
```

Problem 4

Neke rute ne želimo cachirati

Rješenje 4

Neke rute ne želimo cachirati

```php
add_filter( 'rocket_cache_reject_uri', 'reject_url' );

/**
 * List all Pages not to cache
 *
 * @param array $items Items from the admin.
 * @since 1.0.0
 */
public function reject_url( $items ) {
    $items[] = '/wp-json/wc/v2/orders/(.*)';

    return $items;
}
```

WP-ROCKET-CONFIG

```php
$rocket_cache_reject_uri = '/(.+/)?feed/?';

$rocket_cache_reject_uri = '/(.+/)?feed/?|/wp-json/wc/v2/orders/(.*)';
```

Problem 5

Izmjenim stranicu a ruta je i dalje cachirana

Rješenje 5

Izmjenim stranicu a ruta je i dalje cachirana

```php
add_action( 'save_post', 'clear_query_cache', 10, 2 );

/**
 * Force rest enpoints with query parameters to delete cache on post save.
 *
 * @param int    $post_id Post ID not used.
 * @param object $post    Post object.
 *
 * @since 1.0.0
 */
public function clear_query_cache( $post_id, $post ) {
    if ( ! function_exists( 'rocket_clean_files' ) ) {
        return false;
    }

    $normal_url = $this->get_rest_route_url_by_type( $post->post_type, $post->post_name );
    $custom_url = str_replace( '?', '', $normal_url );

    $urls = [
        esc_url( $normal_url ),
        esc_url( $custom_url ),
    ];

    \rocket_clean_files( $urls );
}
```

NGINX CONFIG

```
try_files   $uri $uri/ /index.php?q=$uri&$args;
```

```
try_files   $uri $uri/ /index.php?$args;
```

Problem 6

CORS – oh glavobolja

Rješenje 6 – Apache

CORS – oh glavobolja

```php
add_filter( 'after_rocket_htaccess_rules', 'add_cors_rools_apache' );

/**
 * Add CORS headers in htaccess rools used only on Apache.
 *
 * @param string $rules Precreated rules.
 * @return string
 *
 * @since 1.0.0
 */
public function add_cors_rools_apache( $rules ) {
  $rules  = '# CORS headers' . PHP_EOL;
  $rules .= '<IfModule mod_headers.c>' . PHP_EOL;
  $rules .= 'Header set Access-Control-Allow-Origin "' . GO_FRONTEND_URL . '"' . PHP_EOL;
  $rules .= 'Header set Access-Control-Allow-Methods "POST, GET, OPTIONS, PUT, DELETE"' . PHP_EOL;
  $rules .= 'Header set Access-Control-Allow-Credentials "true"' . PHP_EOL;
  $rules .= '</IfModule>' . PHP_EOL . PHP_EOL;

  return $rules;
}
```

WP-CONFIG.PHP

```php
// This must be inputed due to CORS issues.
define( 'GO_FRONTEND_URL', 'https://js-awesome.infinum.co' );
```

Rješenje 6 – Nginx

CORS – oh glavobolja

WP-CONFIG.PHP

```php
// This must be inputed due to CORS issues.
define( 'GO_FRONTEND_URL', 'https://js-awesome.infinum.co' );


/**
 * Acc Cors headers to cached and non cached res api endpoint.
 * This is called in plugin on wp-rocket activation hook and
 * activates in advance-cache.php.
 *
 * @since 1.0.0
 */
function go_cors_headers() {
  if ( defined( 'GO_FRONTEND_URL' ) ) {

    $req = htmlspecialchars( $_SERVER['REQUEST_URI'] );

    if ( isset( $req ) ) {
      preg_match( '/wp-json/', $req, $result );

    if ( ! empty( $result ) ) {
      header( 'Access-Control-Allow-Origin: ' . rtrim( GO_FRONTEND_URL, '/' ) );
      header( 'Access-Control-Allow-Methods: POST, GET, OPTIONS, PUT, DELETE' );
      header( 'Access-Control-Allow-Credentials: true' );
    }
   }
  }
}
```

PLUGIN / THEME

```php
  add_filter( 'rocket_advanced_cache_file', 'add_cors_rools_apache_nginx' );

  /**
   * Add Cors headers in advance-cache.php config file on plugin activation
   * used only on Nginx.
   *
   * @param string $buffer Original file output.
   *
   * @since 1.0.0
   */
  public function add_cors_rools_apache_nginx( $buffer ) {
    $position = strpos( $buffer, 'include' );
    $cors_function = "go_cors_headers();\n";

    $buffer = substr_replace( $buffer, $cors_function, $position, 0 );

    return $buffer;
  }
```

Problem 7

Neispravan Content–Type

Rješenje 7

Neispravan Content–Type

Content-Type →application/json;

Content-Type →text/html;

Nema rješenja

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Any questions?

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