



Muhammad Umbu Zaki

Jumat, 27 September 2024

Melakukan perbaikan pada pengiriman email terkait waktu expired.

Sistem Kendali Otomatis dan Kecerdasan Buatan

Daily Report

Dilakukan penambahan fitur pengiriman *email reminder* terkait masa *expired shortlink*. *Email reminder* akan terkirim ketika masa waktu *expired* sudah sisa 1 hari lagi. Melakukan penambahan *folder Commands* pada *app*.

*)Keterangan Warna.

| | |
|--|------------|
| | DEFAULT |
| | PENAMBAHAN |

app/Commands:

```
<?php

namespace App\Commands;

use CodeIgniter\CLI\BaseCommand;
use CodeIgniter\CLI\CLI;
use App\Models\LinkModel;
use Myth\Auth\Models\UserModel;
use Config\Services;

class SendExpirationReminders extends BaseCommand
{
    protected $group = 'Shortlink';
    protected $name = 'shortlink:send-reminders';
    protected $description = 'Sends reminders for shortlinks expiring in 1 day';
    public function run(array $params)
    {
        $linkModel = new LinkModel();
        $userModel = new UserModel();
        $email = Services::email();
    }
}
```



Muhammad Umbu Zaki

Jumat, 27 September 2024

Melakukan perbaikan pada pengiriman email terkait waktu expired.

Sistem Kendali Otomatis dan Kecerdasan Buatan

Daily Report

```
$now = new \DateTime();
$twentyFourHoursLater = (new \DateTime())->modify('+24 hours');
$expiringLinks = $linkModel->where('expired_at >', $now->format('Y-m-d
H:i:s'))
->where('expired_at <=', $twentyFourHoursLater->format('Y-m-d
H:i:s'))
->findAll();
CLI::write('Found ' . count($expiringLinks) . ' expiring shortlinks.',
'yellow');
foreach ($expiringLinks as $link) {
    $user = $userModel->find($link['user_id']);
    if (!$user || empty($user->email)) {
        CLI::write("User atau email tidak ada untuk shortlink berikut:
{$link['shortened_url']}", 'yellow');
        continue;
    }
    $to = $user->email;
    $subject = 'Shortlink Anda Akan Segera Expired';

    $message = "
    <html>
        <body>
            <p>
                Shortlink Anda akan segera kedaluarsa. Mohon buat Shortlink
baru jika diperlukan.
            </p>

            <p>Detail Shortlink:
            <br>
                Shortlink: {$link['shortened_url']}
            <br>
            <br>
                Original URL: {$link['original_url']}
            <br>
                Tanggal Kedaluarsa: {$link['expired_at']}
            </p>
```



Muhammad Umbu Zaki

Jumat, 27 September 2024

Melakukan perbaikan pada pengiriman email terkait waktu expired.

Sistem Kendali Otomatis dan Kecerdasan Buatan

Daily Report

```
<br>

<p>Anda dapat mengabaikan email ini jika tidak ingin
memperbarui Shortlink Anda.</p>

<hr>

<p>Terima kasih,
<br>
Sekretariat Jenderal,
<br>
Pusat Data dan Teknologi Informasi,
<br>
Tim Internet of Things dan Artificial Intelligence.
</p>
</body>
</html>
";

$email->setTo($to);
$email->setSubject($subject);
$email->setMessage($message);
$email->setMailType('html');

if ($email->send(false)) {
    CLI::write("Reminder expired shortlink terkirim:
{$link['shortened_url']}", 'green');
} else {
    CLI::write("Gagal mengirim reminder expired shortlink:
{$link['shortened_url']}", 'red');
    log_message('error', $email->printDebugger(['headers']));
}
}
CLI::write('Reminder process completed.', 'green');
}
```



Muhammad Umbu Zaki

Jumat, 27 September 2024

Melakukan perbaikan pada pengiriman email terkait waktu expired.

Sistem Kendali Otomatis dan Kecerdasan Buatan

Daily Report

app/Config/App.php:

```
<?php

namespace Config;

use CodeIgniter\Config\BaseConfig;

class App extends BaseConfig
{
    public string $baseUrl = 'http://s.pu.go.id/';
    public array $allowedHostnames = [];
    public string $indexPath = '';
    public string $uriProtocol = 'REQUEST_URI';
    public string $permittedURIChars = 'a-z 0-9~%.:_-';
    public string $defaultLocale = 'en';
    public bool $negotiateLocale = false;
    public string $appTimezone = 'Asia/Jakarta';
    public string $charset = 'UTF-8';
    public bool $forceGlobalSecureRequests = false;
    public array $proxyIPs = [];
    public bool $CSPEnabled = false;
    public $commands = [
        \App\Commands\SendExpirationReminders::class,
    ];
}
```



Muhammad Umbu Zaki

Jumat, 27 September 2024

Melakukan perbaikan pada pengiriman email terkait waktu expired.

Sistem Kendali Otomatis dan Kecerdasan Buatan

Daily Report

```
http://s.pu.go.id/Mw-YouTube
C:\Users\Asus>C:\xampp\php\php.exe C:\xampp\htdocs\slpu\spark shortlink:send-reminders
PHP Warning: Module "ftp" is already loaded in Unknown on line 0
Warning: Module "ftp" is already loaded in Unknown on line 0
CodeIgniter v4.5.2 Command Line Tool - Server Time: 2024-09-27 16:39:41 UTC+07:00
Found 1 expiring shortlinks.
Reminder expired shortlink terkirim: http://s.pu.go.id/3_flow
Reminder process completed.
C:\Users\Asus>
```

Kesimpulan:

Ketika masa berlaku *shortlink* sudah sisa 1 hari (24 jam) maka sistem akan mengirim *email* ke *user* terkait sebagai *reminder* bahwa *shortlink* akan segera *expired*. Dapat dilihat pada *cmd*, sudah terdeteksi *shortlink* yang *expired* dan pengiriman *email* ke *user* terkait berhasil.