

	Document Title: SSO Integration Guideline Document			
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#### 2.4.4.3 Create New Construct

Add a new construct in the **Oauth.php** file controller. Initialize OAuth 2.0 Client and set to return keycloak configuration.

```

public function __construct() {
    parent::__construct();
    $this->load->model('admin_model', 'admin');
    $this->data['theme'] = 'admin';
    $this->data['model'] = 'login';
    $this->data['base_url'] = base_url();
    $this->load->helper('form');
    $this->data['csrf'] = array(
        'name' => $this->security->get_csrf_token_name(),
        'hash' => $this->security->get_csrf_hash()
    );

    $this->provider = new GenericProvider([
        'clientId' => $this->config->item('keycloak_client_id'),
        'clientSecret' => $this->config->item('keycloak_client_secret'),
        'redirectUri' => $this->config->item('keycloak_redirect_uri'),
        'urlAuthorize' => $this->config->item('keycloak_base_url') . '/realms/' . $this->config->item('keycloak_realm') . '/protocol/openid-connect/auth',
        'urlAccessToken' => $this->config->item('keycloak_base_url') . '/realms/' . $this->config->item('keycloak_realm') . '/protocol/openid-connect/token',
        'urlResourceOwnerDetails' => $this->config->item('keycloak_base_url') . '/realms/' . $this->config->item('keycloak_realm') . '/protocol/openid-connect/userinfo',
    ]);
}

```

Figure 46: Add New Construct