

Document Title: SSO Integration Guideline Document				
Document Security Level: Public Document	No. Documents: PP24176	Version.:	Page: 71 of 75	

2.4.4.5 Create callback Function

Create a callback function in **Oauth.php** file controller. Verify state parameters and get an access token using the authorization code grant.

Figure 48: callback Function

Fetch user information and check if hashed IC number exists in the administrators table.



Document Title: SSO	Integration	Guideline Do	cument
---------------------	-------------	--------------	--------

Document Security Level: Public No. Documents: Version.: Page: 2.0 Page: 72 of 75

```
$resourceOwner = $this->provider->getResourceOwner($accessToken);
$userData = $resourceOwner->toArray();
$nric = $userData['nric'];

$hashed_nric = hash('sha256', $nric);

$this->db->where('ic_number', $hashed_nric);
$user = $this->db->get('administrators')->row_array();
```

Figure 49: Fetch User Information

Verify if the hashed IC number matches in the database. If the IC number is found and matches, log the user in. Then, if the IC number is not found or does not match, handle linking or registration.

```
if ($user) {
    $this->session->set_userdata('keycloak_user', $userData);
    $this->session->set_userdata('admin_id', $user['user_id']);
    $this->session->set_userdata('admin_profile_img', $user['profile_img']);
    $this->session->set_userdata('chat_token', $user['token']);
    $this->session->set_userdata('role', $user['token']);
    $access_result_data = $this->db->where('admin_id', $user['user_id'])->where('access', 1)->select('module_id')->get('admin_access')->result_array();
    $access_result_data_array = array_column($access_result_data, 'module_id');
    $this->session->set_userdata('access_module', $access_result_data_array);
    redirect('admin/dashboard');
} else {
    $this->session->set_userdata('keycloak_temp_data', $userData);
    redirect('admin/oauth/show_modal_options');
}
catch (Exception $e) {
    show_error('Failed to authenticate with Keycloak: ' . $e->getHessage());
}
```

Figure 50: Verify IC Number