

Example	Source file	Description of revision	Verified?	Logic bug?
FB	OAuth20/ResourceServer/conclude	Remove assignment of UserID to AuthorizationConclusion	TRUE	no
		Remove assignment of Realm to AuthorizationConclusion	TRUE	no
		Change it to a not server to server call nor signed request	FALSE	yes
	OAuth20/ResourceServer/createValidateTicket	Change it to a signed request rather than server to server	FALSE	yes
		Change it to a signed request.	TRUE	no
		Change it to a server to server call.	TRUE	no
	OAuth20/AuthorizationServer/ValidateTicket	Remove if statement of req.client_id == tokenEntry.Realm	FALSE	yes
		Remove if statement of req.UserID == tokenEntry.UserID	FALSE	yes
		Overwrite req.client_id as null	FALSE	yes
		Overwrite req.UserID as null	FALSE	yes
		Change it to a signed request.	TRUE	no
		Change it to a server to server call.	TRUE	no
	OAuth20/AuthorizationServer/SignInIDP	Change (AccessTokenEntry)AccessTokenRecs.getEntry(req.access_token, req.client_id,	FALSE	yes
		Remove if req==null check	TRUE	no
		Remove return Redir()	TRUE	no
	OAuth20/AuthorizationServer/Process_SignInIDP_req	Remove return createAuthorizationCodeEntry()	TRUE	no
	OAuth20/AuthorizationServer/TokenEndpoint	Remove if req==null check	TRUE	no
		Remove if IdPSessionSecret==null check	TRUE	no
		Remove if AuthCodeEntry.redirect_uri != req.redirect_uri check in "authorization_cod	TRUE	no
		Return resp to return null in "authorization_code" case	TRUE	no
		Remove if AuthCodeEntry.redirect_uri != req.redirect_uri check in "refresh_token" cas	TRUE	no
		Return resp to return null in "refresh_token" case	TRUE	no
	Facebook_SDK/ResourceServerImpl/pre_AuthDone	Overwrite req.permissions as null	FALSE	yes
		Overwrite req.UserID as null	FALSE	yes
		Return new AuthorizationConclusion() instead of req	FALSE	yes
	Facebook_SDK/AuthorizationServerImpl/Redir	Change to return null	TRUE	no
	Facebook_SDK/AuthorizationServerImpl/createAccessTokenEntry	Change to return null	TRUE	no
	Facebook_SDK/AuthorizationServerImpl/createAuthorizationCodeEntry	Change to return null	TRUE	no
	Facebook_SDK/AuthorizationServerImpl/Process_ValidateTicket	Remove resp.claimed_scope = tokenEntry.permissions;	FALSE	yes
		Remove resp.access_token = req.access_token;	TRUE	no
		Remove resp.UserID = tokenEntry.UserID;	FALSE	yes
	Facebook_SDK/AuthorizationServerImpl.AccessTokenDictionary_def/findISSByClientIDAndAccessTok	Change to return null	TRUE	no
	Facebook_SDK/AuthorizationServerImpl.AccessTokenDictionary_def/findISSByClientIDAndRefreshTo	Change to return null	TRUE	no
	Facebook_SDK/AuthorizationServerImpl.AccessTokenDictionary_def/setEntry	Remove dict[at][Realm][UserID] = ate;	TRUE	no
LiveID	OpenIDConnect/RelyingParty/conclude	Remove assignment of User_ID to conclusion	FALSE	yes
		Overwrite RP's Realm as null	FALSE	yes
		Change it to a not server to server call nor signed request	FALSE	yes
	OpenIDConnect/RelyingParty/constructTokenRequest	Change it to a signed request rather than server to server	FALSE	yes
		Change it to a signed request.	TRUE	no
		Change it to a server to server call.	TRUE	no
		Change it to a signed request.	TRUE	no
		Change it to a server to server call.	TRUE	no
		Remove if (tokenResp == null)	TRUE	no
	OpenIDConnect/RelyingParty/AuthenticationUsingAuthorizationCodeFlow	Remove if statement of AuthCodeEntry.Redir_dest != req.redirect_uri	FALSE	yes
	OpenIDConnect/OpenIDProvider/TokenEndPoint	Remove null check for IdPSessionSecret	TRUE	no
		Remove resp.access_token = IDTokenAndAccessTokenEntry.access_token	TRUE	no
		Remove resp.refresh_token = IDTokenAndAccessTokenEntry.refresh_token;	TRUE	no
		Remove resp.scope = IDTokenAndAccessTokenEntry.scope;	TRUE	no
		Remove resp.id_token = IDTokenAndAccessTokenEntry.id_token;	TRUE	no
		Overwrite resp.id_token.Claims.UserId as null	FALSE	yes
		Change it to a signed request.	TRUE	no
		Change it to a server to server call.	TRUE	no
		Change (AuthorizationCodeEntry)AuthorizationCodeRecs.getEntry(IdPSessionSecret, r	FALSE	yes
	OpenIDConnect/OpenIDProvider/Redir	Remove resp.code = AuthCode.code	TRUE	no
		Remove if AuthCode == null	TRUE	no
		Change return resp to return null	TRUE	no
		Remove if (AuthCode == null)	TRUE	no

	LiveID/ReplyingPartyImpl/IsVerified()	Return null	TRUE	no
	LiveID/ReplyingPartyImpl/GetUserID()	return "" instead of CurrentSession["UserID"]	TRUE	no
	LiveID/ReplyingPartyImpl/pre_AuthDone	Overwrite the UserID as null	FALSE	yes
		Overwrite the RP's domain as null	FALSE	yes
		Return new AuthenticationConclusion() instead of req	FALSE	yes
	LiveID/AuthorizationServerImpl.IDTokenAndAccessTokenDictionary_def/setEntry	Remove Dictionary[at][Realm][UserID] = ate;	TRUE	no
	LiveID/AuthorizationServerImpl.AuthorizationCodeDictionary_def/setEntry	Remove Dictionary[IdPSessionSecret][client_id] = AuthorizationCodeEntry;	TRUE	no
	LiveID/AuthorizationServerImpl/createAccessTokenEntry	Remove entry.scope = scope;	TRUE	no
		Return new IDTokenAndAccessTokenEntry(); instead of entry	TRUE	no
Yahoo	OpenID20/RelyingParty/SignInRP	Remove null check for conclusion	FALSE	yes
		Remove null check for req	TRUE	no
		Change it to a unsigned request.	FALSE	yes
		Change it to a server to server rather than signed request	FALSE	yes
		Add this.assoc_handle = "OpenID";	TRUE	no
	OpenID20/RelyingParty/RequestAuthentication	Change to signed request	TRUE	no
		Change to a server to server request	TRUE	no
		Add this.assoc_handle = "OpenID";	TRUE	no
	OpenID20/OpenIDProvider/SignInIdP	Remove null check for _ID_Claim	FALSE	yes
		Change it to a unsigned request.	FALSE	yes
		Overwrite resp.claimed_id as null	FALSE	yes
		Overwrite resp.return_to as null	FALSE	yes
		Remove resp.realm = req.realm;	TRUE	no
		Remove resp.identity = req.identity	TRUE	no
		Remove resp.ns = req.ns	TRUE	no
		Remove resp.mode = req.mode	TRUE	no
	OpenID20/OpenIDProvider/ValidateTicket	Change to return null	TRUE	no
	OpenID20/OpenIDProvider/Redir	Remove req.claimed_id = _ID_Claim.UserID	FALSE	yes
		Remove req.return_to = _ID_Claim.Redir_dest	FALSE	yes
		Change to req.claimed_id = _ID_Claim.Redir_dest and req.return_to = _ID_Claim.UserID	FALSE	yes
		Return newly created AuthenticationResponse instead of req	FALSE	yes
	Yahoo_RP/RelyingPartyImpl/Process_SignInRP_req	Remove if statement of req.return_to != RP.Domain	FALSE	yes
		Remove assignment of req.claimed_id to conclusion	FALSE	yes
		Change this.Domain != req.return_to to this.Domain == req.return_to	FALSE	yes
		Change return conclusion to new Conclusion();	FALSE	yes
	Yahoo_RP/RelyingPartyImpl/GenerateURL(AuthenticationRequest req)	Overwrite req.claimed_id as null	TRUE	no
	Yahoo_RP/RelyingPartyImpl/GenerateURL(AuthenticationResponse req)	Overwrite req.claimed_id as null	TRUE	no
	Yahoo_IdP/AuthorizationServerImpl/Process_SignInIdP_req	Remove if statement of entry.Redir_dest == req.realm	FALSE	yes
		Set req.IdPSessionSecret as null before getEntry	FALSE	yes
		Changed entry.Redir_dest == req.realm to entry.Redir_dest != req.realm	FALSE	yes
		Change return entry to new IDAssrtionEntry();	FALSE	yes
		Change (IDAssertionEntry)IDAssertionRecs.getEntry(req.IdPSessionSecret, req.realm) t	FALSE	yes
		Change req.realm == entry.Redir_dest req.realm != entry.Redir_dest and change retur	TRUE	no
	Yahoo_IdP/AuthorizationServerImpl.IDAssertionRecsDictionary_def/setEntry	Remove Dictionary[IdPSessionSecret][client_id] = IDAssertionEntry;	TRUE	no