Nasuni - Create Share

1. Versions

Version	Date	User	Comment

Current version:0.0.0

2. Inputs

Name	Type	Description
wfTransactionID	string	
wfRequestorName	string	
wfNasuniUrl	string	
wfVolumeName	string	
wfFilerName	string	
wfName	string	
wfPath	string	
wfComment	string	
wfReadonly	string	
wfBrowseable	string	
wfHostsAllow	string	
wfHideUnreadable	string	
wfEnablePreviousVers	string	
wfCaseSensitive	string	
wfEnableSnapshotDirs	string	
wfHomedirSupport	number	
wfMobile	string	
wfAioEnabled	string	
wfVetoFiles	string	

Name	Type	Description
wfFruitEnabled	string	
wfSmbEncrypt	string	
wfBrowserAccess	string	
wfSharedLinksEnabled	string	
wfLinkForcePassword	string	
wfLinkAllowRw	string	
wfExternalShareUrl	string	
wfLinkExpireLimit	number	
wfBrowserAuthAll	string	
wfAllowGroupsRo	string	
wfAllowGroupsRw	string	
wfBrowserDenyGroups	string	
wfAllowUsersRo	string	
wfAllowUsersRw	string	
wfBrowserDenyUsers	string	
wfAuthall	string	
wfGroupsRo	string	
wfGroupsRw	string	
wfDenyGroups	string	
wfUsersRo	string	
wfUsersRw	string	
wfDenyUsers	string	

3. Attributes

Name	Type	Description

Name	Type	Description
attToken	SecureString	
attVersion	string	
attVolumeId	string	
attFilerId	string	
attBody	string	
attShareOut	string	
attMessageId	string	
attCounter	number	
attDelay	number	
attMessageDetails	string	
attMessageStatus	string	

4. Parameter presentation

Parameter	Description	Parameter Info
wfTransactionID	wfTransactionID	
wfRequestorName	wfRequestorName	
wfNasuniUrl	wfPureUrl	
wfVolumeName	wfVolumeName	
wfFilerName	wfFilerName	
wfName	wfName	
wfPath	wfPath	
wfComment	wfComment	
wfReadonly	wfReadonly	
wfBrowseable	wfBrowseable	Default value: yes
wfHostsAllow	wfHostsAllow	

Parameter	Description	Parameter Info
wfHideUnreadable	wfHideUnreadable	Default value: yes
wfEnablePreviousVers	wfEnablePreviousVers	
wfCaseSensitive	wfCaseSensitive	
wfEnableSnapshotDirs	wfEnableSnapshotDirs	
wfHomedirSupport	wfHomedirSupport	Default value: 0.0
wfMobile	wfMobile	
wfAioEnabled	wfAioEnabled	Default value: yes
wfVetoFiles	wfVetoFiles	
wfFruitEnabled	wfFruitEnabled	
wfSmbEncrypt	wfSmbEncrypt	
wfBrowserAccess	wfBrowserAccess	
wfSharedLinksEnabled	wfSharedLinksEnabled	
wfLinkForcePassword	wfLinkForcePassword	
wfLinkAllowRw	wfLinkAllowRw	
wfExternalShareUrl	wfExternalShareUrl	
wfLinkExpireLimit	wfLinkExpireLimit	Default value: 0.0
wfBrowserAuthAll	wfBrowserAuthAll	
wfAllowGroupsRo	wfAllowGroupsRo	
wfAllowGroupsRw	wfAllowGroupsRw	
wfBrowserDenyGroups	wfBrowserDenyGroups	
wfAllowUsersRo	wfAllowUsersRo	
wfAllowUsersRw	wfAllowUsersRw	
wfBrowserDenyUsers	wfBrowserDenyUsers	

Parameter	Description	Parameter Info
wfAuthall	wfAuthall	Default value: yes
wfGroupsRo	wfGroupsRo	
wfGroupsRw	wfGroupsRw	
wfDenyGroups	wfDenyGroups	
wfUsersRo	wfUsersRo	
wfUsersRw	wfUsersRw	
wfDenyUsers	wfDenyUsers	

5. Workflow schema
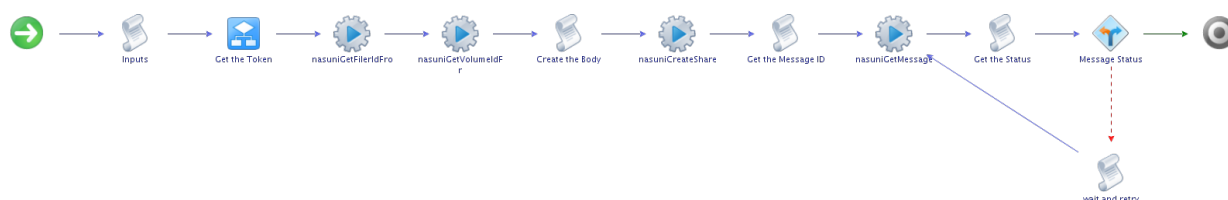
6. Workflow items

Name	Type	Next item	Description
	WorkflowItemEnd		
Inputs	WorkflowItemTask	Get the Token	
Get the Token	WorkflowItemLink	nasuniGetFilerIdFromDescription	
nasuniGetFilerIdFromDescription	WorkflowItemTask	nasuniGetVolumeIdFromName	
nasuniGetVolumeIdFromName	WorkflowItemTask	Create the Body	

Name	Type	Next item	Description
Create the Body	WorkflowItemTask	nasuniCreate Share	
nasuniCreate Share	WorkflowItemTask	Get the Message ID	
Get the Message ID	WorkflowItemTask	nasuniGetMes sage	
nasuniGetMes sage	WorkflowItemTask	Get the Status	
Get the Status	WorkflowItemTask	Message Status	
Message Status	WorkflowItemCustom Condition		
wait and retry	WorkflowItemTask	nasuniGetMes sage	

7. Source code for the used actions

7.1. Inputs

```
System.log("****************Inputs****************");
System.log("Transaction ID : "+wfTransactionID);
System.log("Requestor Name : "+wfRequestorName);
System.log("");
```

7.2. nasuniGetFilerIdFromDescription

```
//Auto generated script, cannot be modified !
actionResult =
System.getModule("com.clp.nasuni.commonactions").nasuniGetFilerIdFromDescription(nasuniUrl
,nasuniToken,version,filerDescription) ;
```

7.3. nasuniGetVolumeIdFromName

```
//Auto generated script, cannot be modified !
actionResult =
System.getModule("com.clp.nasuni.commonactions").nasuniGetVolumeIdFromName(nasuniUrl,nasun
iToken,version,volumeName) ;
```

7.4. Create the Body

```
System.log("************ Create the Body ************");
System.log("Name : "+wfName);
System.log("Path : "+wfPath);
System.log("Comment : "+wfComment);
System.log("Read Only : "+wfReadonly);
System.log("Browseable : "+wfBrowseable);
System.log("Hosts Allow : "+wfHostsAllow);
System.log("Hide Unreadable : "+wfHideUnreadable);
System.log("Enable previous vers : "+wfEnablePreviousVers);
System.log("Case sensitive : "+wfCaseSensitive);
System.log("Enable snapshot dirs : "+wfEnableSnapshotDirs);
System.log("Homedir_support : "+wfHomedirSupport);
System.log("Mobile : "+wfMobile);
System.log("Aio enabled : "+wfAioEnabled);
System.log("Veto Files : "+wfVetoFiles);
System.log("Fruit Enabled : "+wfFruitEnabled);
System.log("Smb encrypt : "+wfSmbEncrypt);
System.log("");

System.log("Browser Access : "+wfBrowserAccess);
System.log("Share Linked Enabled : "+wfSharedLinksEnabled);
System.log("Link force password : "+wfLinkForcePassword);
System.log("Link Allow rw : "+wfLinkAllowRw);
System.log("External Share Url : "+wfExternalShareUrl);
System.log("Link expire limit : "+wfLinkExpireLimit);
System.log("Browser Auth All : "+wfBrowserAuthAll);
System.log("allow_groups_ro : "+wfAllowGroupsRo);
System.log("allow_groups_rw : "+wfAllowGroupsRw);
System.log("browser_deny_groups : "+wfBrowserDenyGroups);
System.log("allow_users_ro : "+wfAllowUsersRo);
System.log("allow_users_rw : "+wfAllowUsersRw);
System.log("browser_deny_users : "+wfBrowserDenyUsers);
System.log("");

System.log("Auth All : "+wfAuthall);
System.log("groups_ro : "+wfGroupsRo);
System.log("groups_rw : "+wfGroupsRw);
System.log("deny_groups : "+wfDenyGroups);
System.log("users_ro : "+wfUsersRo);
System.log("users_rw : "+wfUsersRw);
System.log("deny_users : "+wfDenyUsers);
```

```
System.log("");

try
{
  //replace the special characters
  wfPath = wfPath.replace("/","//");

  //Set the value of json
  if(wfReadonly=="yes"){wfReadonly=true;}else{wfReadonly=false;}
  if(wfBrowseable=="yes"){wfBrowseable=true;}else{wfBrowseable=false;}
  if(wfHideUnreadable=="yes"){wfHideUnreadable=true;}else{wfHideUnreadable=false;}
if(wfEnablePreviousVers=="yes"){wfEnablePreviousVers=true;}else{wfEnablePreviousVers=false
;}
  if(wfCaseSensitive=="yes"){wfCaseSensitive=true;}else{wfCaseSensitive=false;}
if(wfEnableSnapshotDirs=="yes"){wfEnableSnapshotDirs=true;}else{wfEnableSnapshotDirs=false
;}
  if(wfMobile=="yes"){wfMobile=true;}else{wfMobile=false;}
  if(wfAioEnabled=="yes"){wfAioEnabled=true;}else{wfAioEnabled=false;}
  if(wfFruitEnabled=="yes"){wfFruitEnabled=true;}else{wfFruitEnabled=false;}
if(wfSharedLinksEnabled=="yes"){wfSharedLinksEnabled=true;}else{wfSharedLinksEnabled=false
;}

  //Creating the JS Object
  var jsonObj = new Object();

  jsonObj.name = wfName;
  jsonObj.path = wfPath;
  jsonObj.comment = wfComment;
  jsonObj.readonly = wfReadonly;
  jsonObj.browseable = wfBrowseable;
  jsonObj.hosts_allow = wfHostsAllow;
    jsonObj.hide_unreadable = wfHideUnreadable;
    jsonObj.enable_previous_vers = wfEnablePreviousVers;
    jsonObj.case_sensitive = wfCaseSensitive;
    jsonObj.enable_snapshot_dirs = wfEnableSnapshotDirs;
    jsonObj.homedir_support = wfHomedirSupport;
    jsonObj.mobile = wfMobile;
  jsonObj.aio_enabled = wfAioEnabled;
    jsonObj.veto_files = wfVetoFiles;
    jsonObj.fruit_enabled = wfFruitEnabled;
    jsonObj.smb_encrypt = wfSmbEncrypt;

  //Web Brower Auth Condition
  if(wfBrowserAccess=="yes")
  {
```

```
        jsonObj.browser_access = true;
        jsonObj.browser_access_settings = {};
        jsonObj.browser_access_settings.shared_links_enabled = wfSharedLinksEnabled;
        jsonObj.browser_access_settings.link_force_password = wfLinkForcePassword;
        jsonObj.browser_access_settings.link_allow_rw = wfLinkAllowRw;
        jsonObj.browser_access_settings.external_share_url = wfExternalShareUrl
        jsonObj.browser_access_settings.link_expire_limit = wfLinkExpireLimit
        //Check if the Authentication is for all the users
        if(wfBrowserAuthAll=="yes")
        {
            jsonObj.browser_access_settings.link_auth = {};
            jsonObj.browser_access_settings.link_auth.authall = true;
        }
        else
        {
            //Converting the comma seperated value to array object
            if(wfAllowGroupsRo){var allow_groups_ro = wfAllowGroupsRo.split(",");}else{var
allow_groups_ro=[];}
            if(wfAllowGroupsRw){var allow_groups_rw = wfAllowGroupsRw.split(",");}else{var
allow_groups_rw=[];}
            if(wfBrowserDenyGroups){var browser_deny_groups =
wfBrowserDenyGroups.split(",");}else{var browser_deny_groups=[];}
            if(wfAllowUsersRo){var allow_users_ro = wfAllowUsersRo.split(",");}else{var
allow_users_ro=[];}
            if(wfAllowUsersRw){var allow_users_rw = wfAllowUsersRw.split(",");}else{var
allow_users_rw=[];}
            if(wfBrowserDenyUsers){var browser_deny_users =
wfBrowserDenyUsers.split(",");}else{var browser_deny_users=[];}

            //Creating the rest of the object based on the user Condition
            jsonObj.browser_access_settings.link_auth = {};
            jsonObj.browser_access_settings.link_auth.authall = false;
            jsonObj.browser_access_settings.link_auth.allow_groups_ro = allow_groups_ro;
            jsonObj.browser_access_settings.link_auth.allow_groups_rw = allow_groups_rw;
            jsonObj.browser_access_settings.link_auth.deny_groups = browser_deny_groups;
            jsonObj.browser_access_settings.link_auth.allow_users_ro = allow_users_ro;
            jsonObj.browser_access_settings.link_auth.allow_users_rw = allow_users_rw;
            jsonObj.browser_access_settings.link_auth.deny_users = browser_deny_users;
        }
    }
    else
    {
        jsonObj.browser_access = false;
    }
```

```
  //Share Auth condition
  if(wfAuthall=="yes")
  {
      jsonObj.auth = {};
      jsonObj.auth.authall = true;
  }
  else
  {
      jsonObj.auth = {};
      jsonObj.auth.authall = false;

      //Converting the comma seperated value to array object
      if(wfGroupsRo){var ro_groups = wfGroupsRo.split(",");}else{var ro_groups=[];}
      if(wfGroupsRw){var rw_groups = wfGroupsRw.split(",");}else{var rw_groups=[];}
      if(wfDenyGroups){var deny_groups = wfDenyGroups.split(",");}else{var deny_groups=[];}
      if(wfUsersRo){var ro_users = wfUsersRo.split(",");}else{var ro_users=[];}
      if(wfUsersRw){var rw_users = wfUsersRw.split(",");}else{var rw_users=[];}
      if(wfDenyUsers){var deny_users = wfDenyUsers.split(",");}else{var deny_users=[];}

      //Creating the rest of the object based on the user Condition
      jsonObj.auth.rw_groups = rw_groups;
      jsonObj.auth.ro_groups = ro_groups;
      jsonObj.auth.deny_groups = deny_groups;
      jsonObj.auth.ro_users = ro_users;
      jsonObj.auth.rw_users = rw_users;
      jsonObj.auth.deny_users = deny_users;
  }

  var attBody = JSON.stringify(jsonObj);
  System.log(attBody);
}
catch(e)
{
  var error = "Error occured in 'Create the Body'. Error Details : "+e;
  throw error;
}
```

7.5. nasuniCreateShare

```
//Auto generated script, cannot be modified !
actionResult =
System.getModule("com.clp.nasuni.commonactions").nasuniCreateShare(nasuniUrl,nasuniToken,v
ersion,filerSerialNumber,volumeGuid,body) ;
```

7.6. Get the Message ID

```
System.log("************* Get the Message ID *************");
System.log("Name : "+attShareOut);
System.log("");

try
{
  var json = JSON.parse(attShareOut);
  attMessageId = json.message.id;
  var status = json.message.status;

  System.log("Message ID : "+attMessageId);
  System.log("Status : "+status);
}
catch(e)
{
  var error = "Error occured in 'Get the Message ID'. Error Details : "+e;
  throw error;
}
```

7.7. nasuniGetMessage

```
//Auto generated script, cannot be modified !
actionResult =
System.getModule("com.clp.nasuni.commonactions").nasuniGetMessage(nasuniUrl,nasuniToken,ve
rsion,messageID) ;
```

7.8. Get the Status

```
System.log("************* Get the Status *************");
System.log("Name : "+attMessageDetails);
System.log("");

try
{
  var json = JSON.parse(attMessageDetails);
  attMessageStatus = json.status;
  var id = json.id;

  System.log("Message ID : "+id);
  System.log("Status : "+attMessageStatus);
}
```

```
catch(e)
{
  var error = "Error occured in 'Get the Status'. Error Details : "+e;
  throw error;
}
```

7.9. Message Status

```
if(attMessageStatus.toLowerCase() == "synced" || attCounter == 20)
{
  System.log("Message ID : "+attMessageId);
  System.log("Status : "+attMessageStatus);
  System.log("Task is either completed or the time exceeded 5 minutes..");
  return true;
}
else if(attMessageStatus.toLowerCase() == "pending")
{
  System.log("Task is in Pending Status.");
  return false;
}
else
{
  var json = JSON.parse(attMessageDetails);
   var errorCode = json.error.code;
  var errorDescription = json.error.description;
  throw "Error Occured. Error Code : "+errorCode+", Error Description :
"+errorDescription;
}
```

7.10. wait and retry

```
System.log("*************** wait and retry ***************");
System.log("");
try
{
  var delay = attDelay;
  attCounter = attCounter+1
  System.log("Counter : "+attCounter)
  System.log("Retrying after : " + attDelay + " seconds.");
  System.sleep(attDelay*1000);
}
catch(e)
{
  var error = "Error occured in 'wait and retry'. Error Details : "+e;
```

```
    throw error;
}
```