

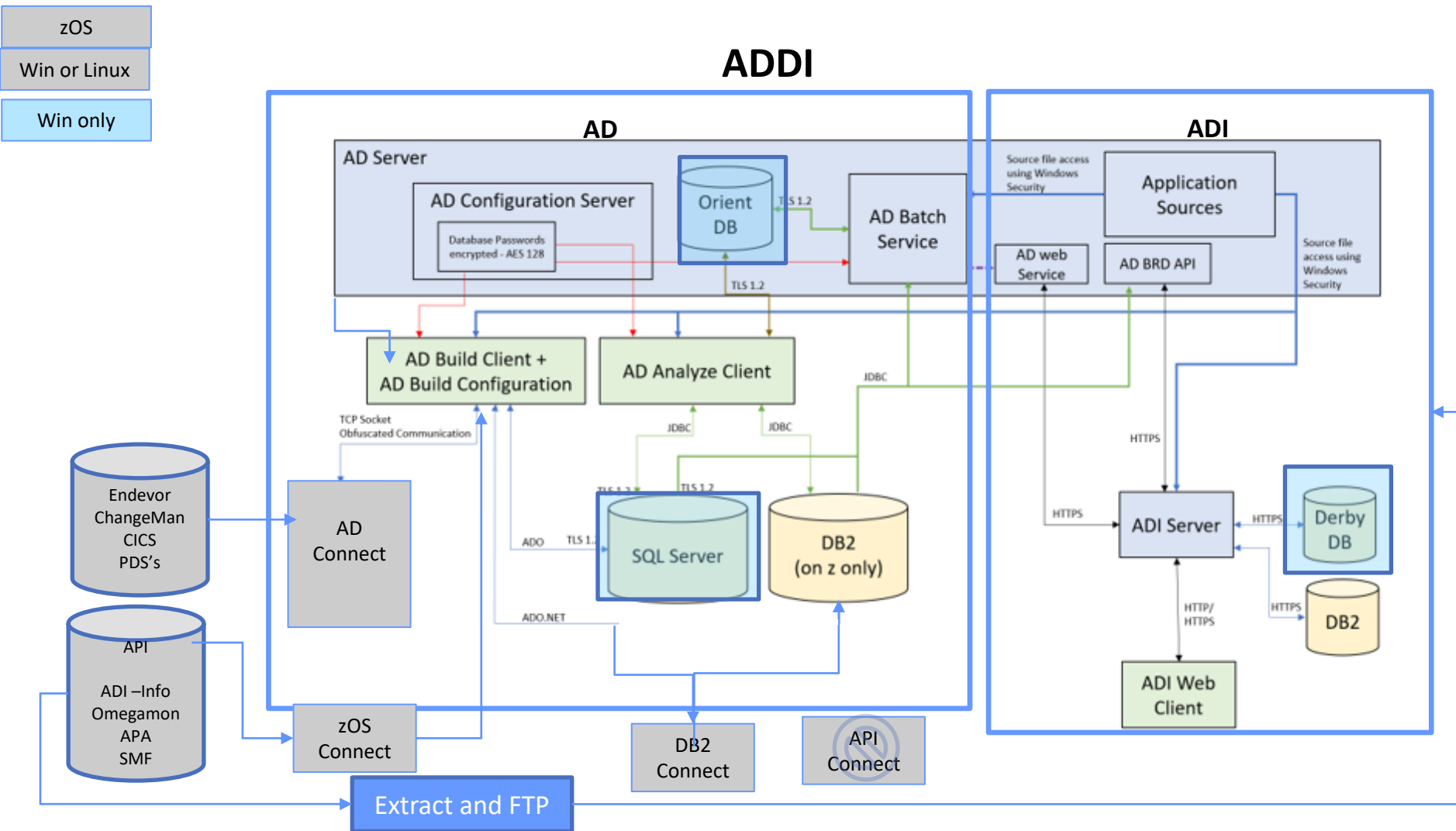
Application Discovery

ADMINISTRATION for
ADDI 6.0.1

TOPICS

- OVERVIEW OF APPLICATION DISCOVERY
- BUILD CLIENT
- BUILD CONFIGURATOR
- SYNCHRONIZATION AND BUILD IN BATCH MODE
- INSTALLATION OF SERVER AND ANALYZE CLIENT PLUGIN
- DASHBOARD AND OPERATION

APPLICATION DISCOVERY ARCHITECTURE



APPLICATION DISCOVERY SERVICES

- BATCH SERVER
- GRAPHICS DATABASE
- CONFIGURATION ADMIN SERVICE
- CONFIGURATION SERVICE
- FILE SERVICE
- RESOLUTIONS SERVICE
- CROSS APPLICATION SERVICE
- SEARCH SERVICE

APPLICATION DISCOVERY CLIENTS

- ECLIPSE OR IDz ANALYZE CLIENT
- WINDOWS-ONLY BUILD CLIENT

APPLICATION DISCOVERY REPOSITORY

- SQL Server, or
- DB2 zOS or LUW

TASKMGR OUTPUT

Task Manager

File Options View

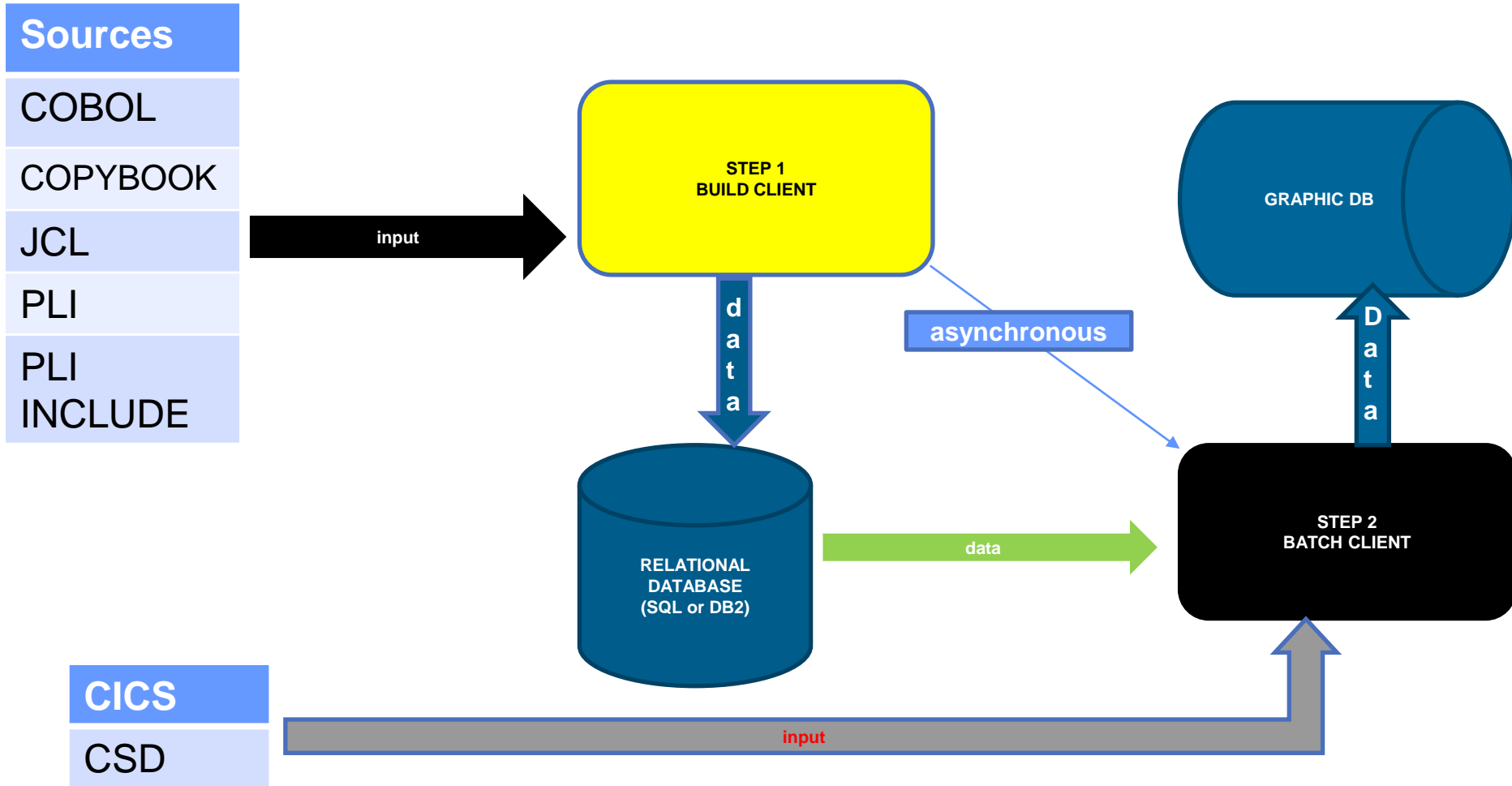
Processes Performance Users Details Services

Name	PID	Description	Status	Group
LanmanWorkstation	2392	Workstation	Running	NetworkService
LanmanServer	3772	Server	Running	smbsvcs
KtmRm		KtmRm for Distributed Transaction Coordinator	Stopped	NetworkServic...
KPSSVC		KDC Proxy Server service (KPS)	Stopped	KpsSvcGroup
KeyIso	708	CNG Key Isolation	Running	
KdsSvc		Microsoft Key Distribution Service	Stopped	
Kdc	708	Kerberos Key Distribution Center	Running	
Ismserv	2092	Intersite Messaging	Running	
iphlpvc	2832	IP Helper	Running	NetSvcs
InstallService		Microsoft Store Install Service	Stopped	netsvcs
IKEEXT		IKE and AuthIP IPsec Keying Modules	Stopped	netsvcs
icsvc		Windows Mobile Hotspot Service	Stopped	LocalServiceN...
IBMApplicationDiscoveryWebSphereLibertyProfileService	900	IBM Application Discovery WebSphere Liberty Profile Service	Running	
IBMApplicationDiscoveryWebService	11012	IBM Application Discovery Web Service (IBMApplicationDiscoveryWeb...	Running	
IBMApplicationDiscoveryValidationServer		IBMApplicationDiscoveryValidationServer	Stopped	
IBMApplicationDiscoverySearchService	3640	IBM Application Discovery Search Service	Running	
IBMApplicationDiscoveryManualResolutionService	2556	IBM Application Discovery Manual Resolution Service	Running	
IBMApplicationDiscoveryMainframeProjectsService	4104	IBM Application Discovery Mainframe Projects Service	Running	
IBMApplicationDiscoveryGraphDBService	3104	IBM Application Discovery GraphDB Service (IBMApplicationDiscovery...	Running	
IBMApplicationDiscoveryFileService	3088	IBM Application Discovery File Service	Running	
IBMApplicationDiscoveryCrossApplicationsService	1060	IBM Application Discovery Cross Applications Service	Running	
IBMApplicationDiscoveryConfigurationService	3232	IBM Application Discovery Configuration Service (IBMApplicationDisco...	Running	
IBMApplicationDiscoveryConfigurationAdminService	3128	IBM Application Discovery Configuration Admin Service (IBMApplicati...	Running	
IBMApplicationDiscoveryBatchService	4128	IBM Application Discovery Batch Service (IBMApplicationDiscoveryBat...	Running	
IBMApplicationDiscoveryAnalyzeService	2964	IBM Application Discovery Analyze Service (IBMApplicationDiscoveryA...	Running	
IBM Application Discovery and Delivery Intelligence Service ...	2660	IBM Application Discovery and Delivery Intelligence Service Manager	Running	
HvHost		HV Host Service	Stopped	LocalSystemN...
hidserv		Human Interface Device Service	Stopped	LocalSystemN...
gupdatem		Google Update Service (gupdatem)	Stopped	
gupdate		Google Update Service (gupdate)	Stopped	

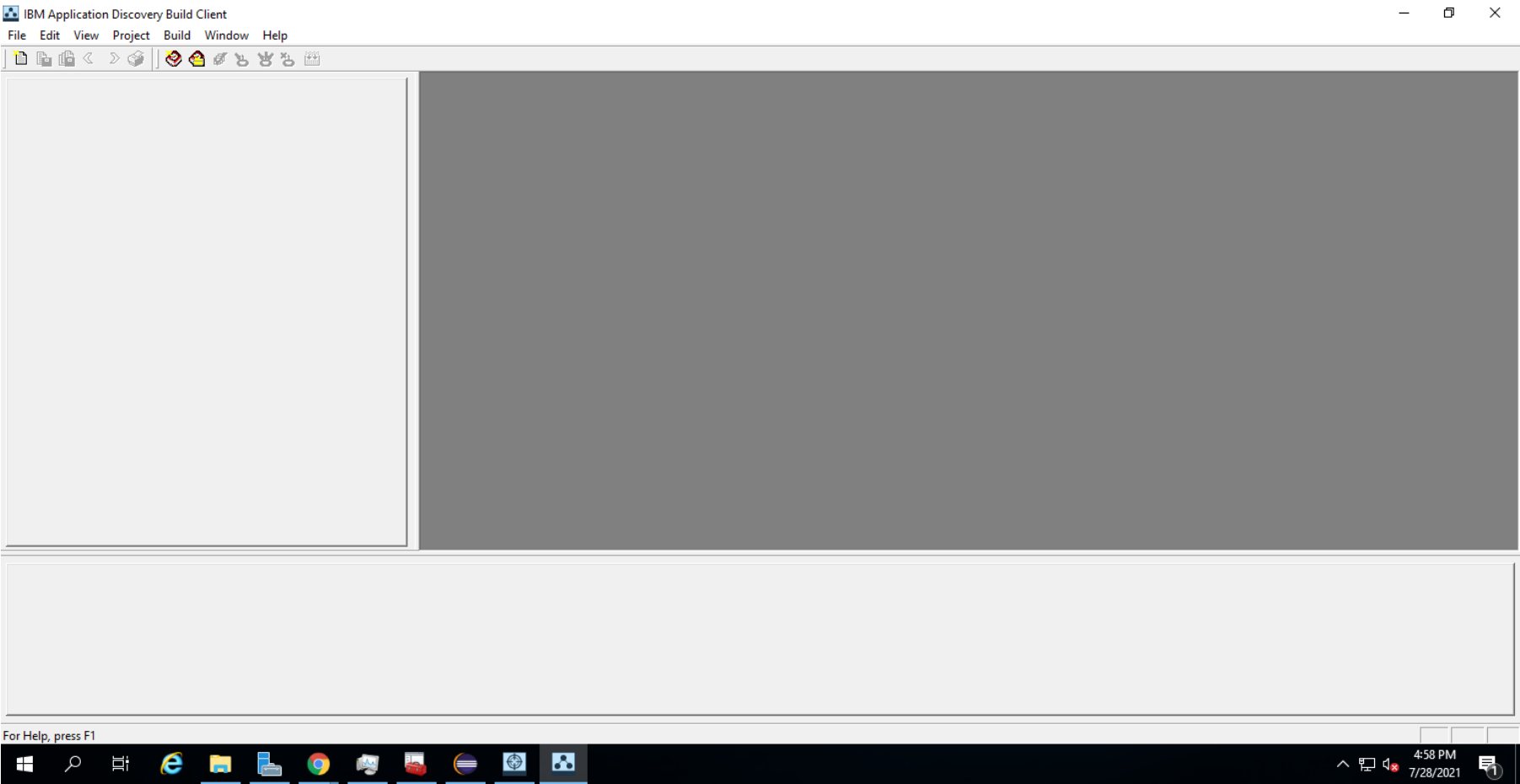
⬅ Fewer details | ⚙ Open Services



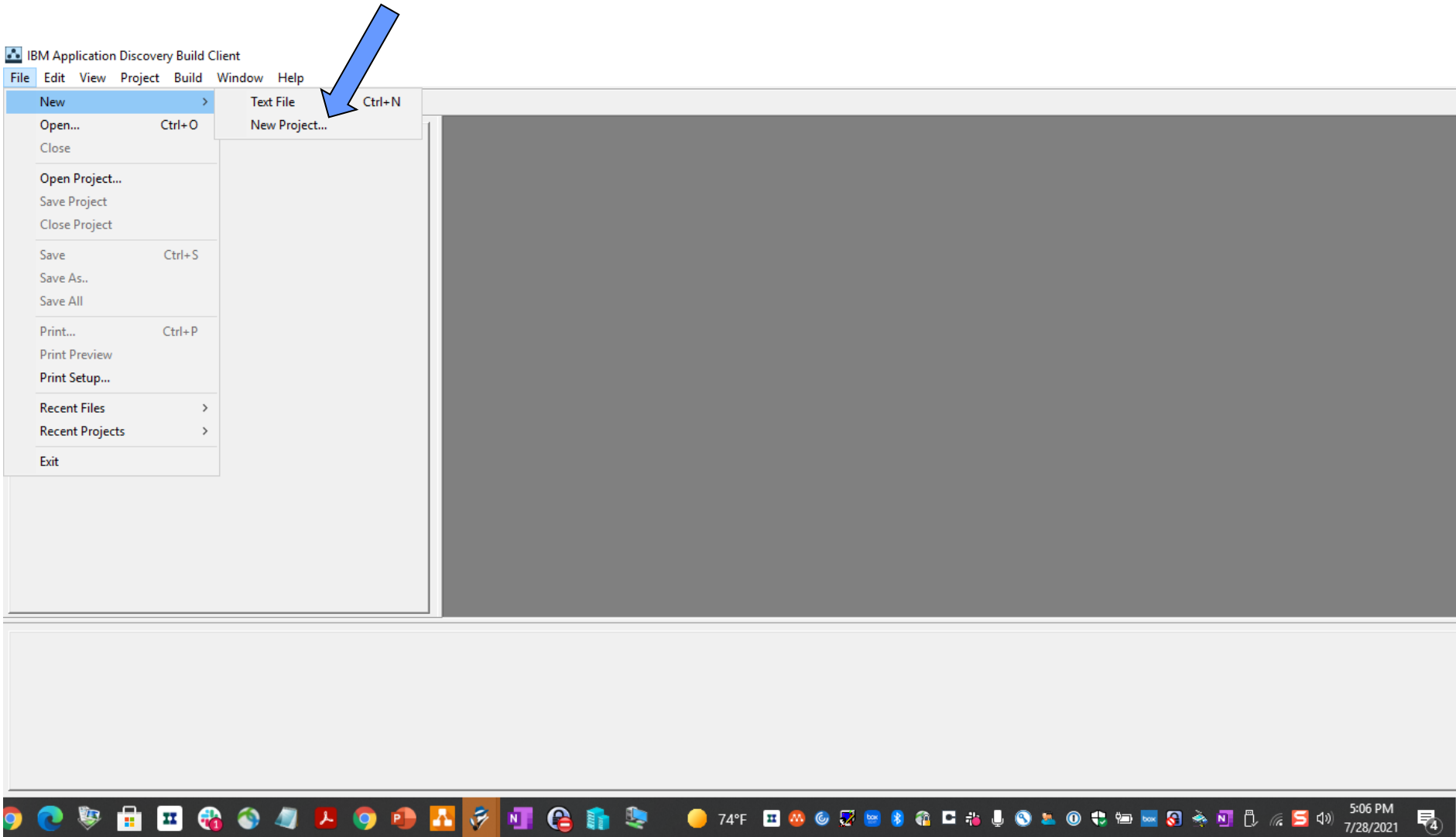
BUILD PROCESS



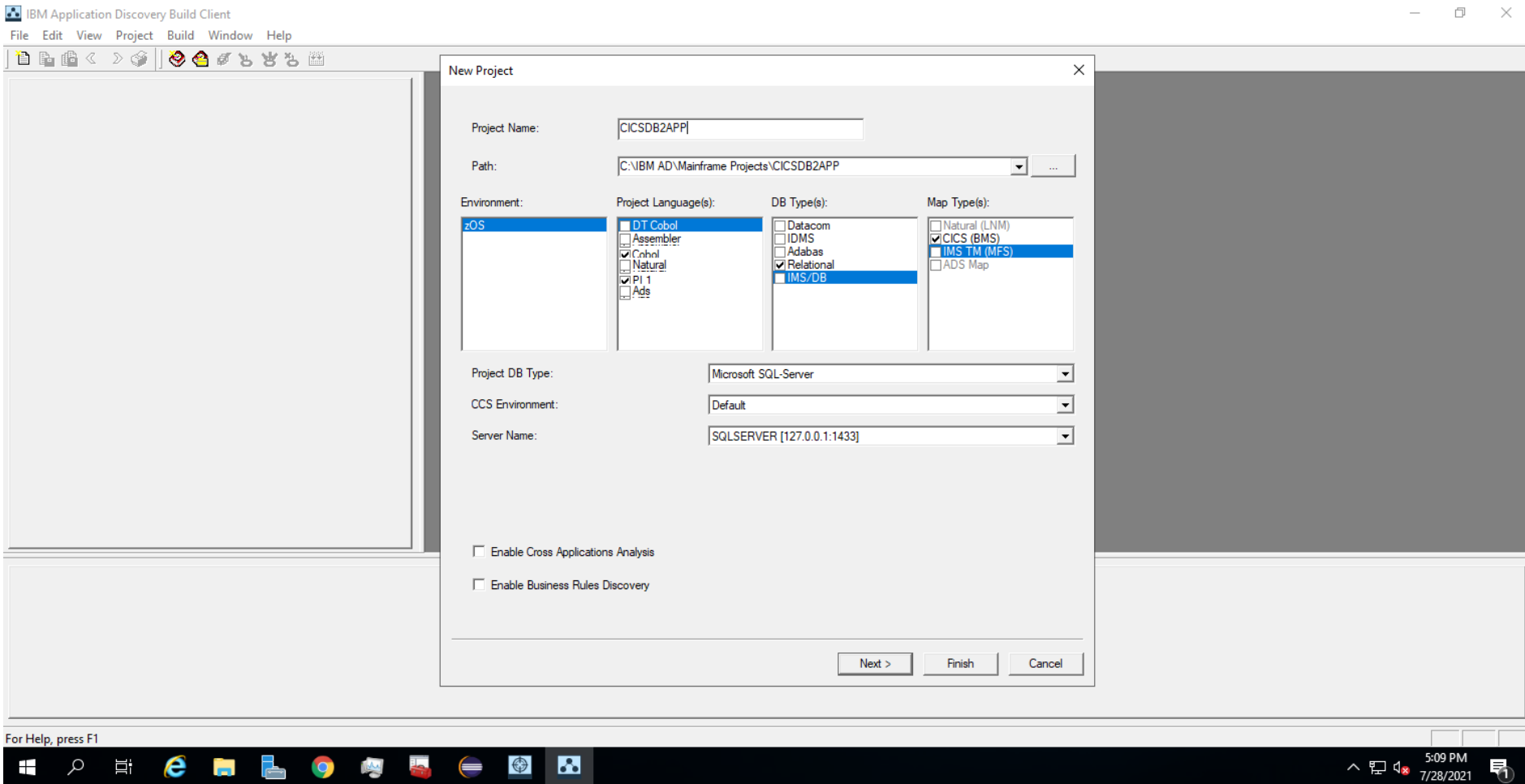
BUILD CLIENT



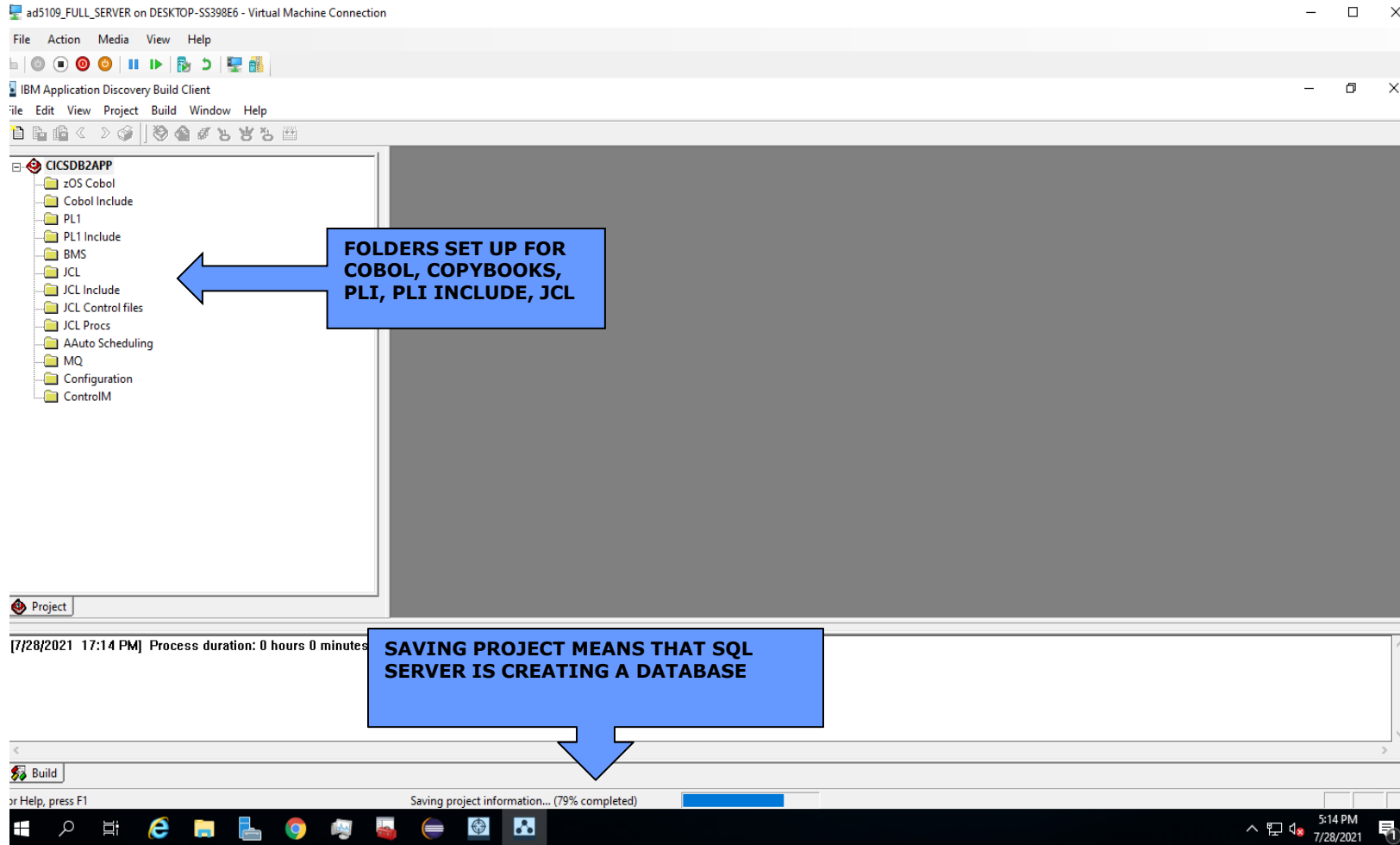
BUILD NEW PROJECT



BUILD COBOL, PLI, DB2, CICS APPLICATION

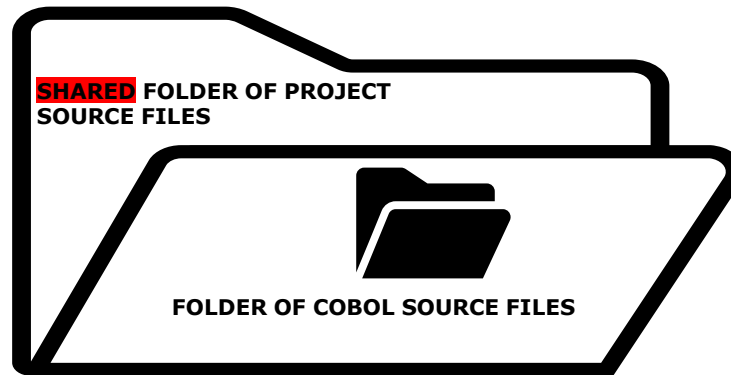


NEW PROJECT CREATING A DATABASE IN SQL

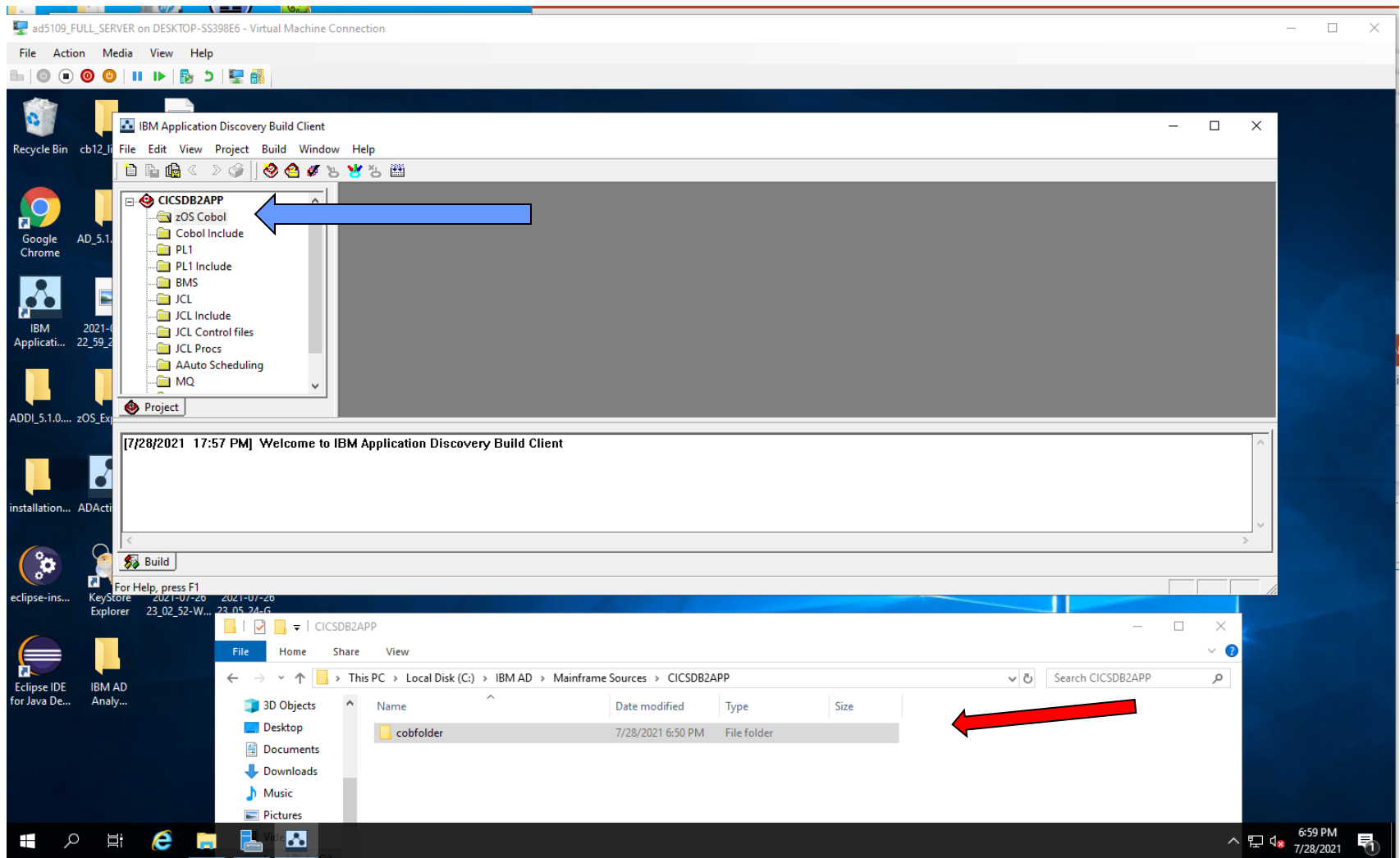


PROJECT SHARED SOURCE CODE FOLDER

COPY COBOL FOLDER CONTAINING COBOL FILES TO SOURCE FILES SHARED FOLDER

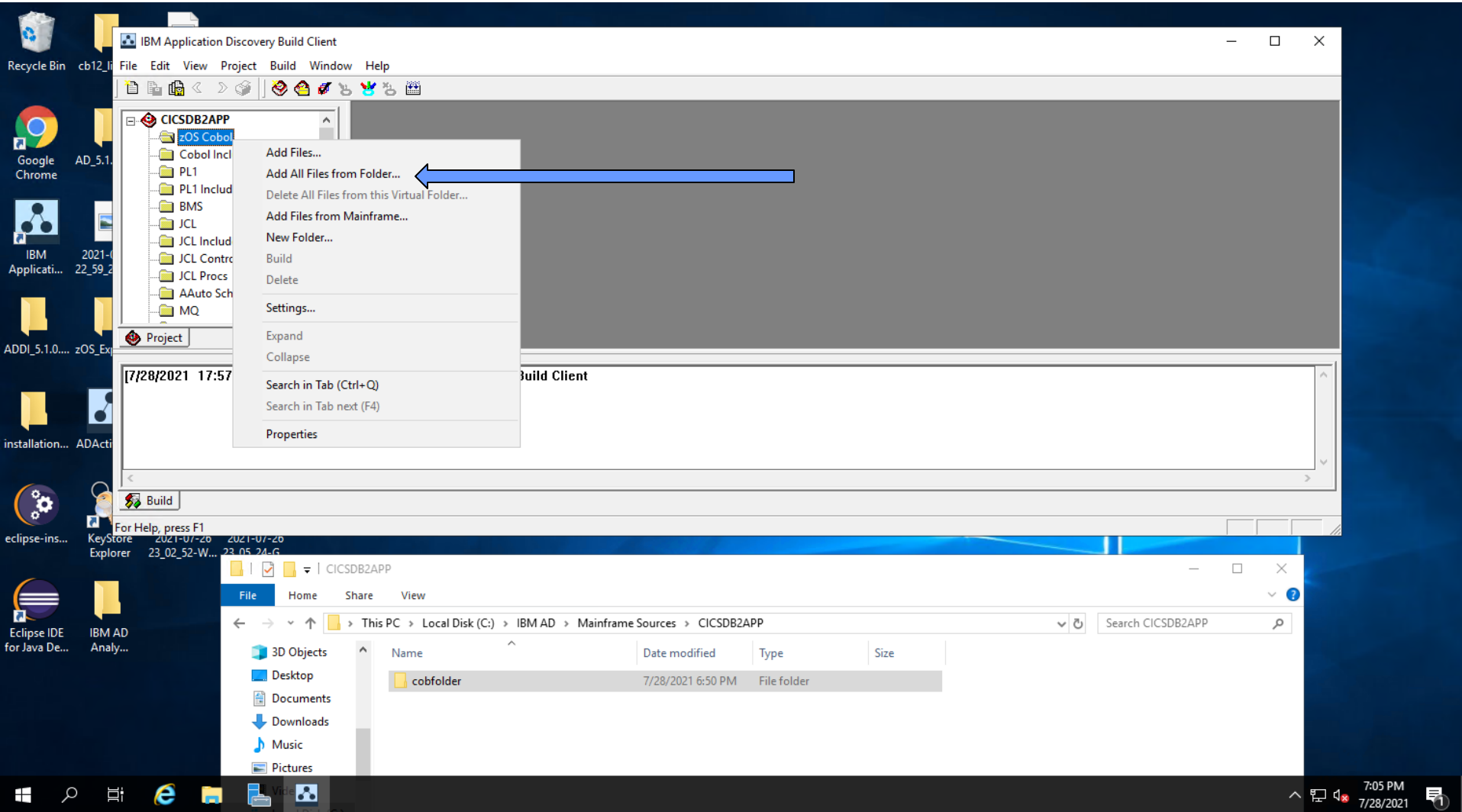


SETUP BUILD FOR WINDOWS SOURCE FILES

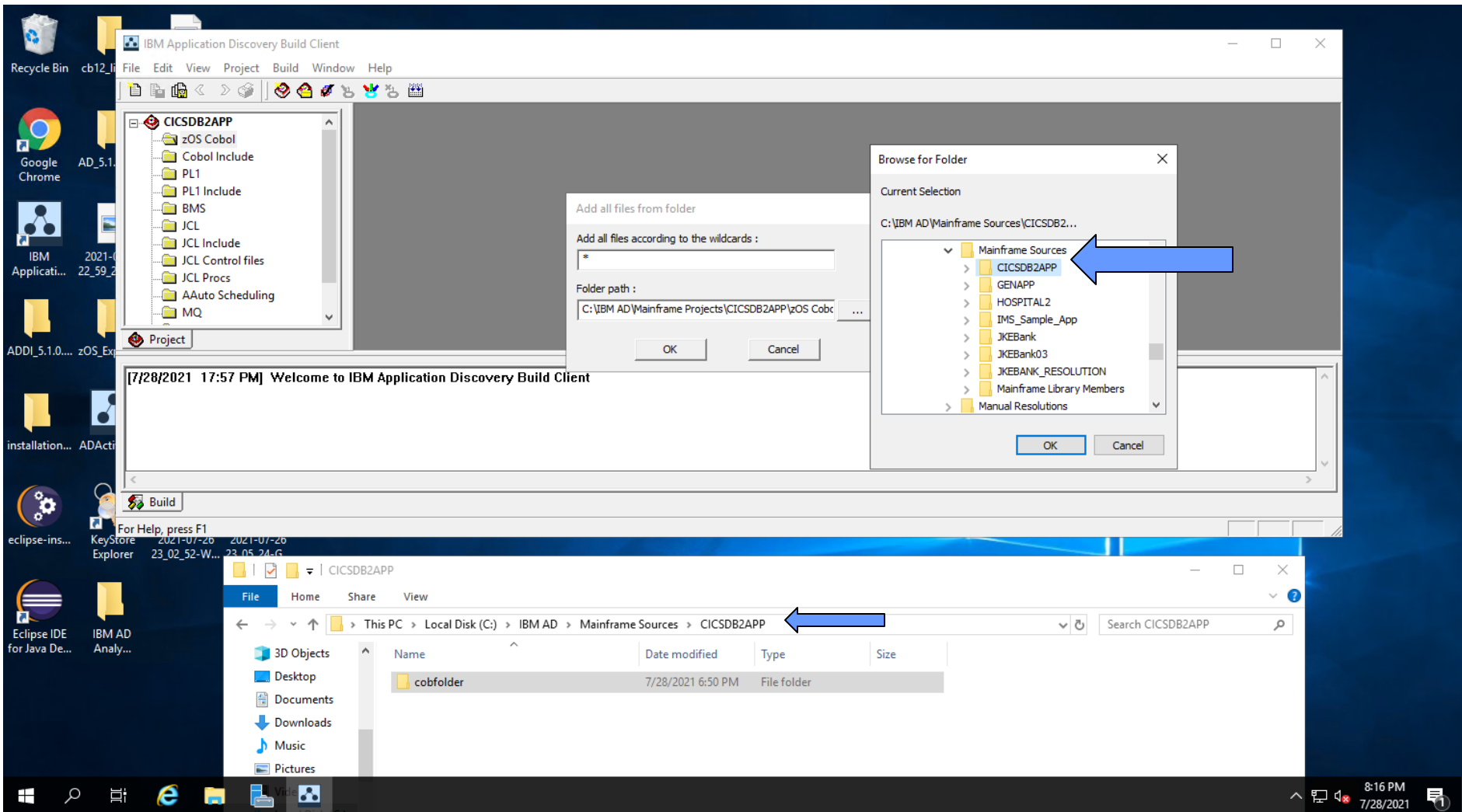


associate **cobfolder** FOLDER to **zOS Cobol** FOLDER

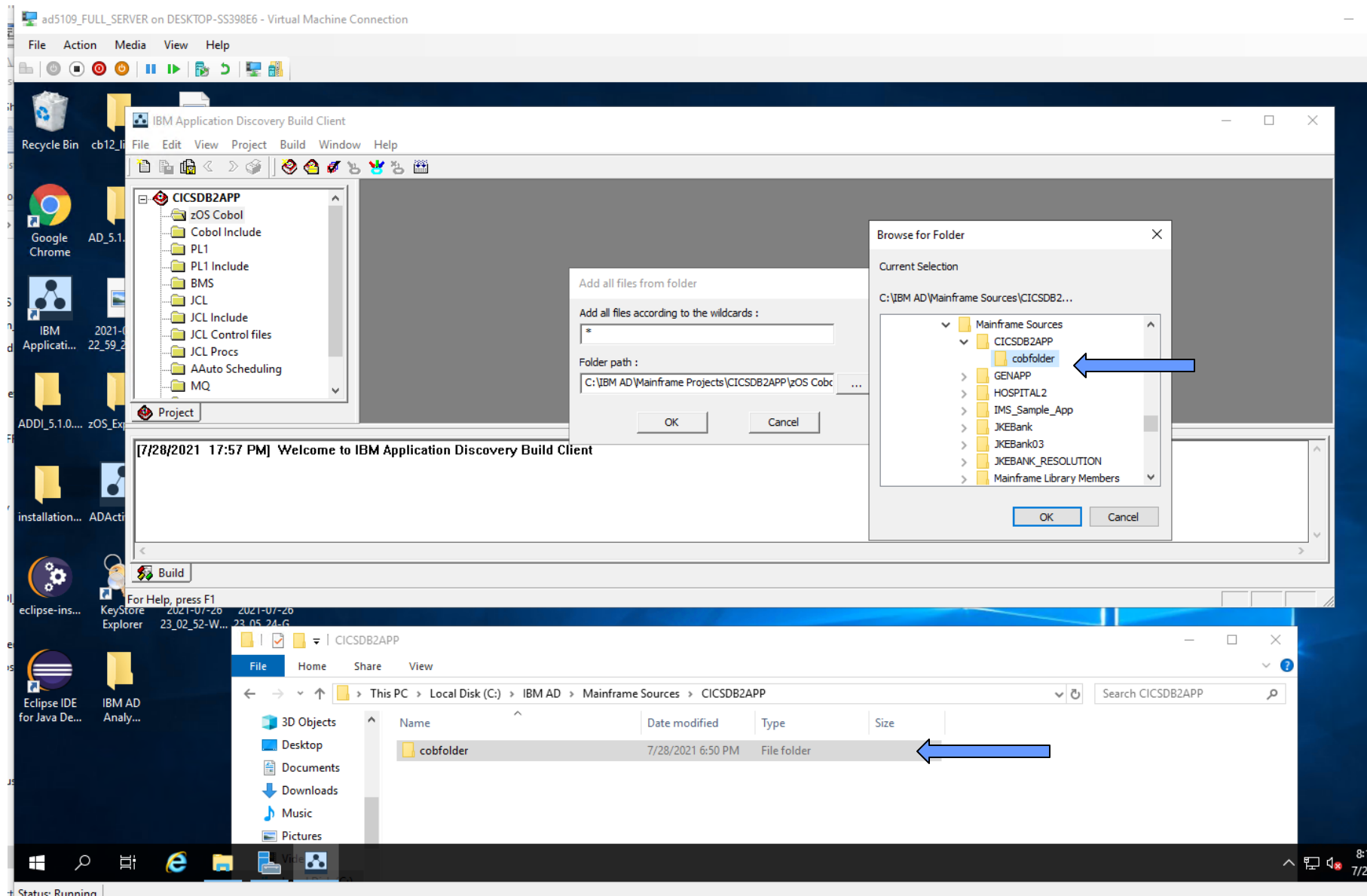
ADD ALL FILES FROM WINDOWS FOLDER



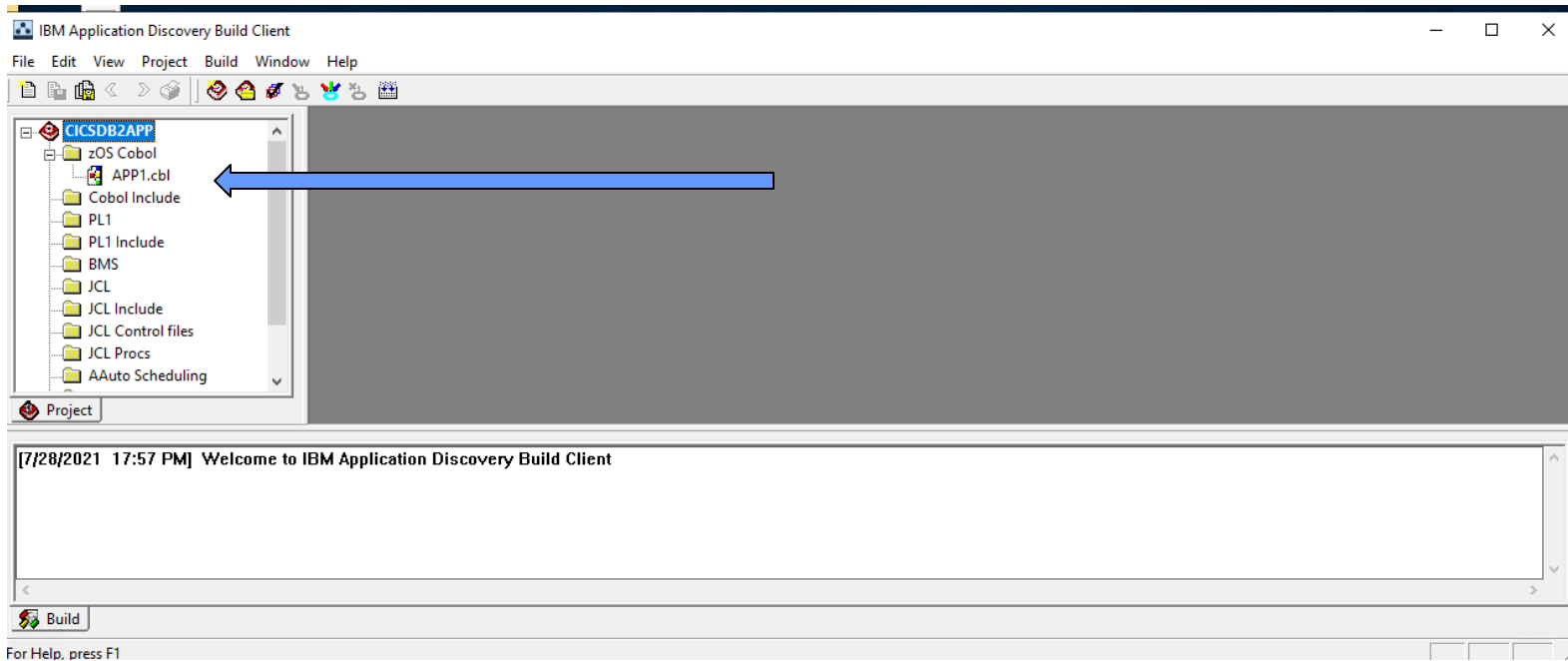
ADDING FOLDER



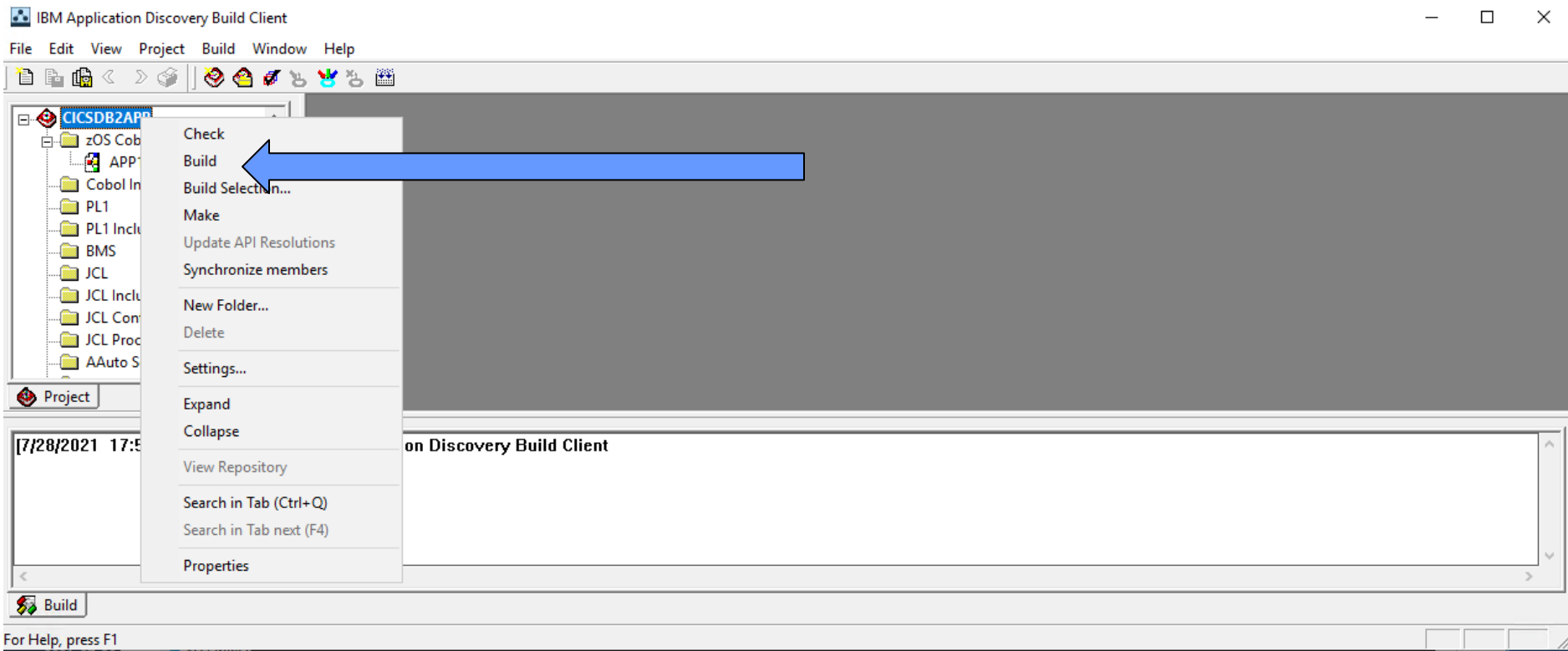
ADDING FOLDER cobfolder as a zOS COBOL



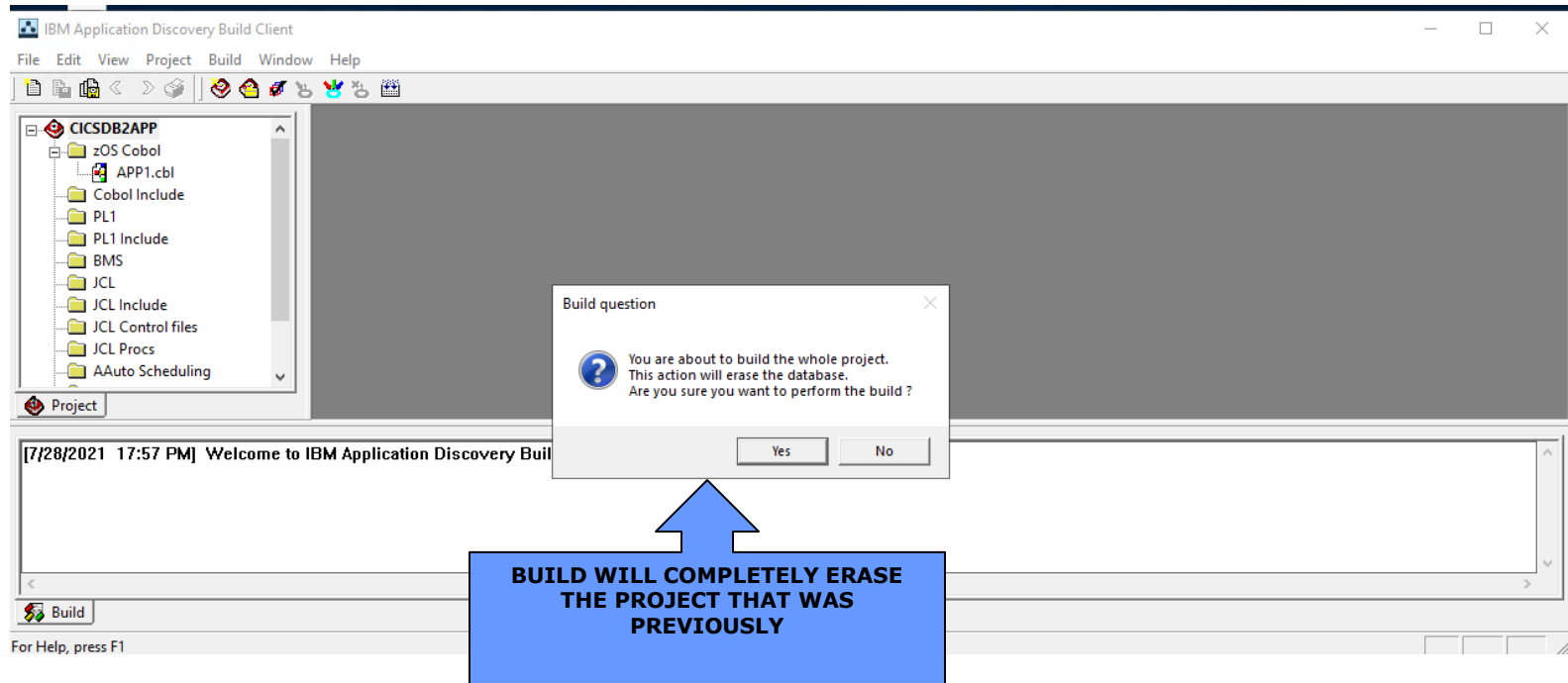
APP1.cbl COBOL file added to zOS COBOL folder



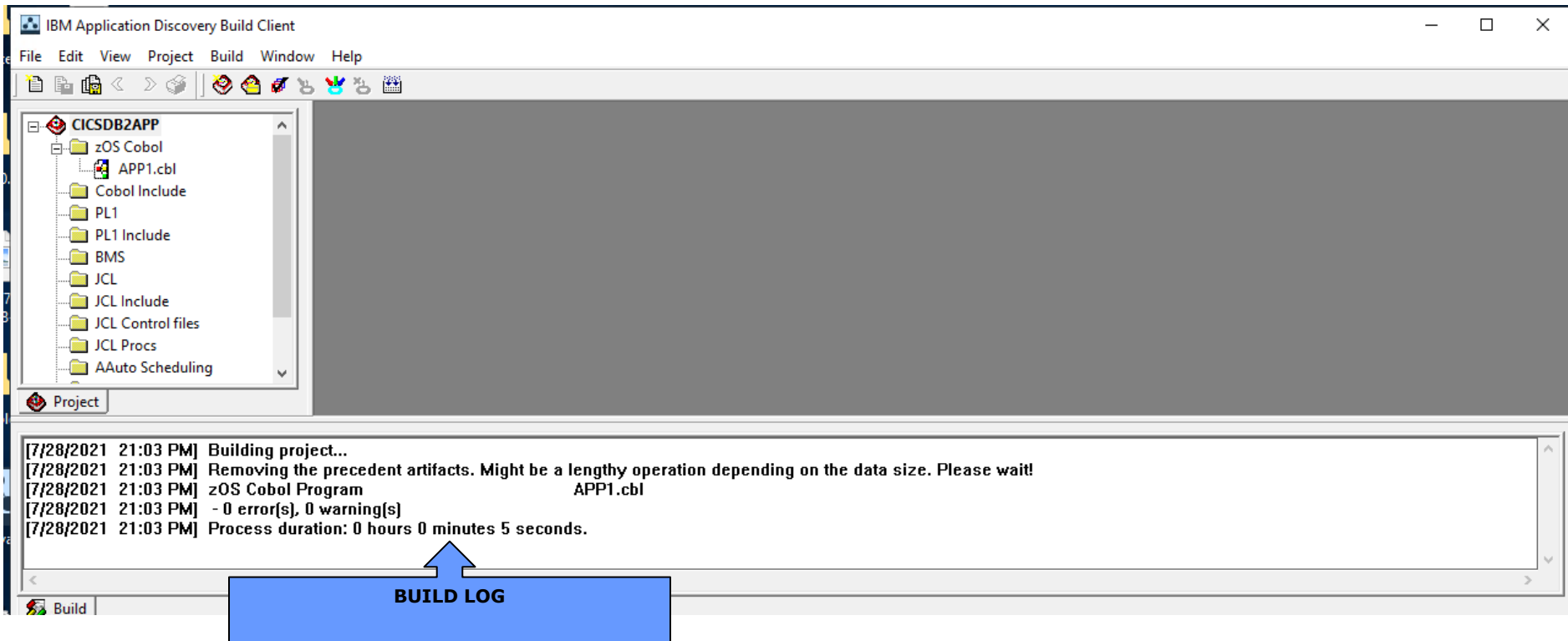
“BUILD” APPLICATION



WARNING PRIOR TO BUILD....



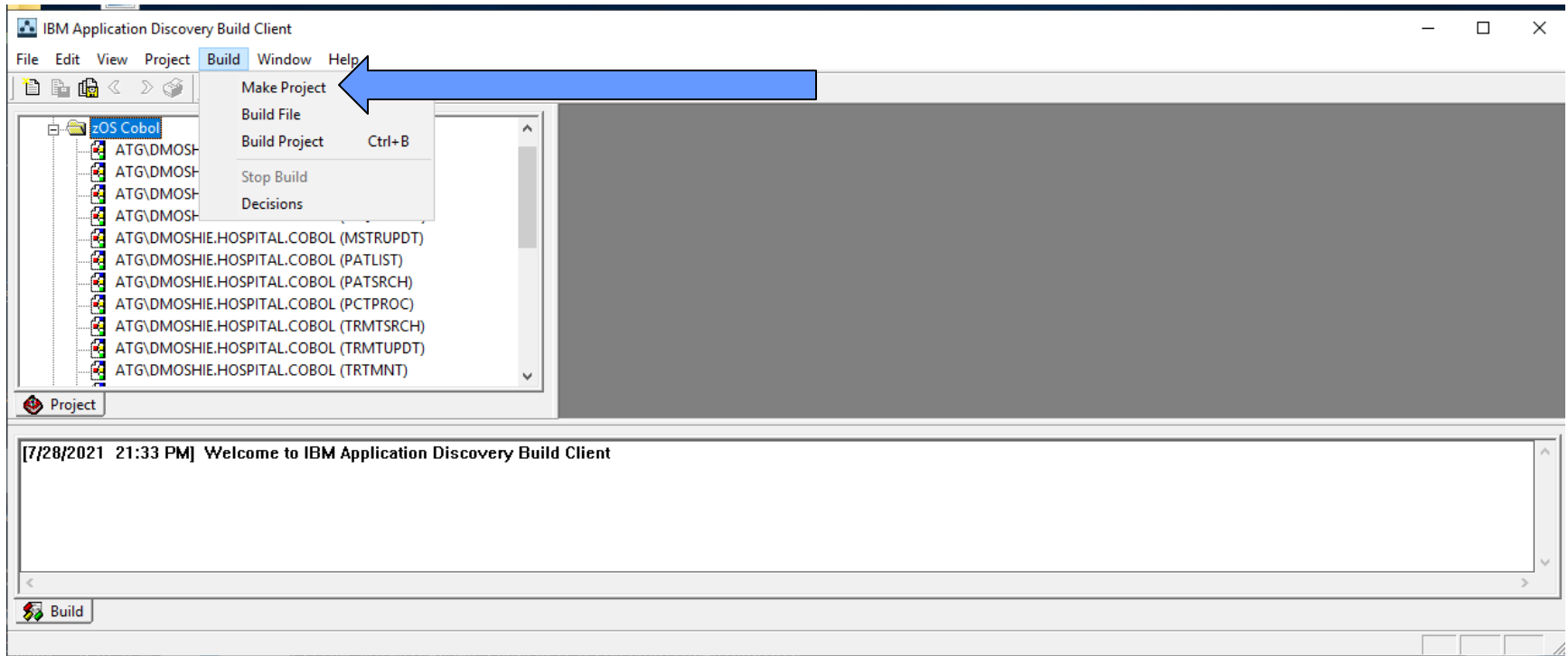
BUILD COMPLETED



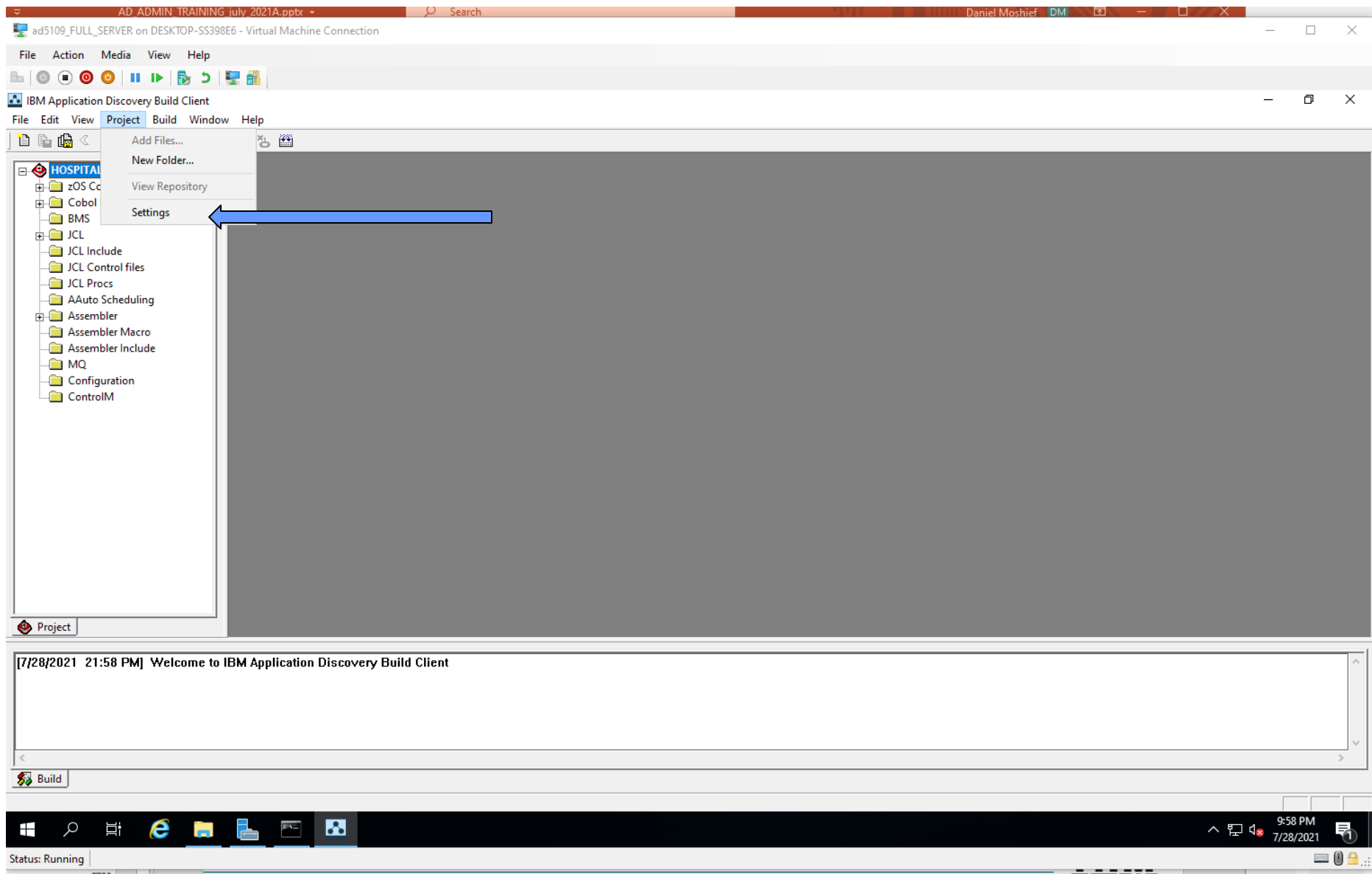
THIS IS JUST A CONTRIVED EXAMPLE OF ONLY BUILDING ONE COBOL MODULE!

MAKE PROCESSING

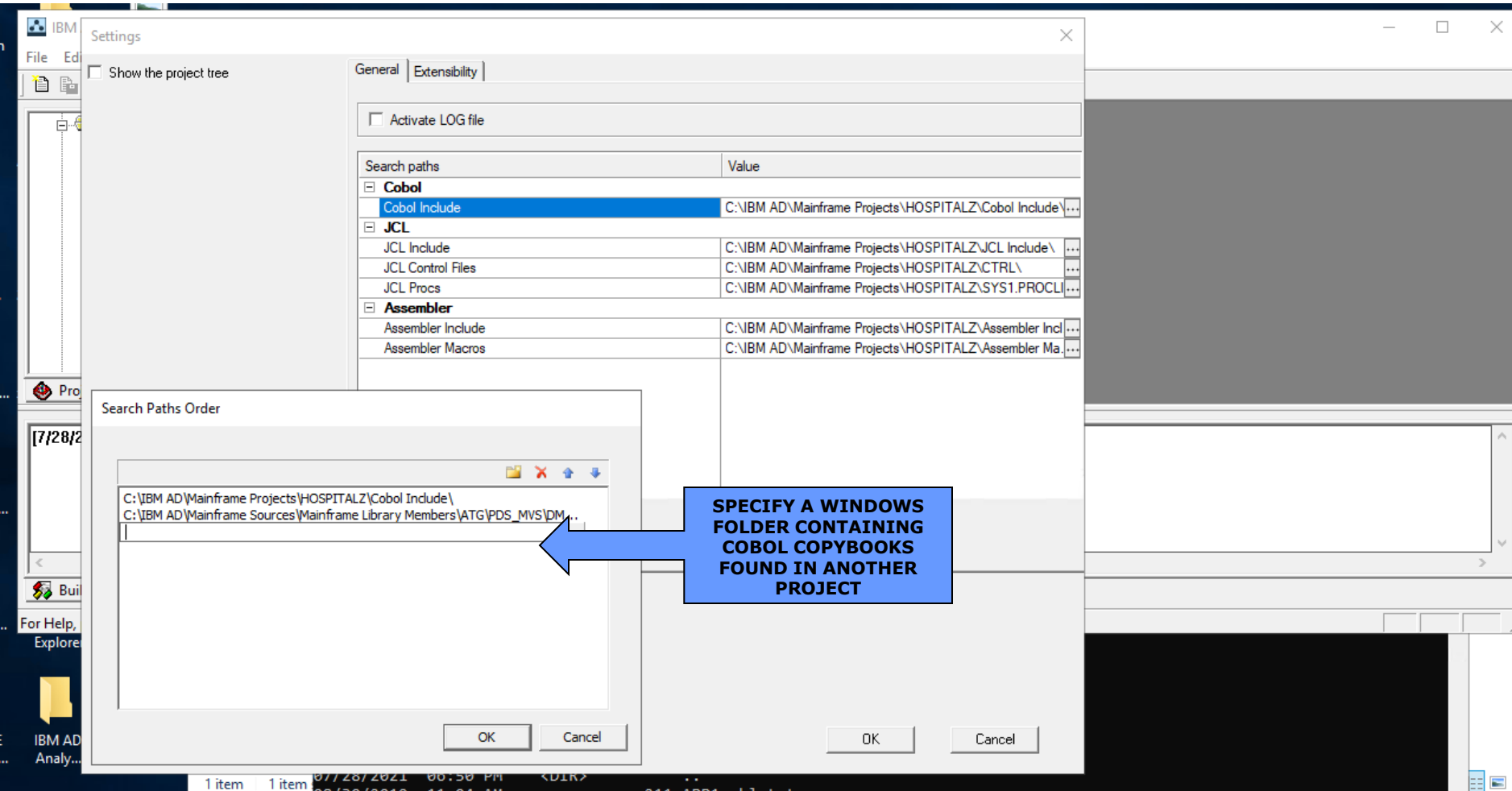
SOURCE CODE IS UPDATED...ONLY BUILD UPDATED SOURCE FILES....



SETTINGS

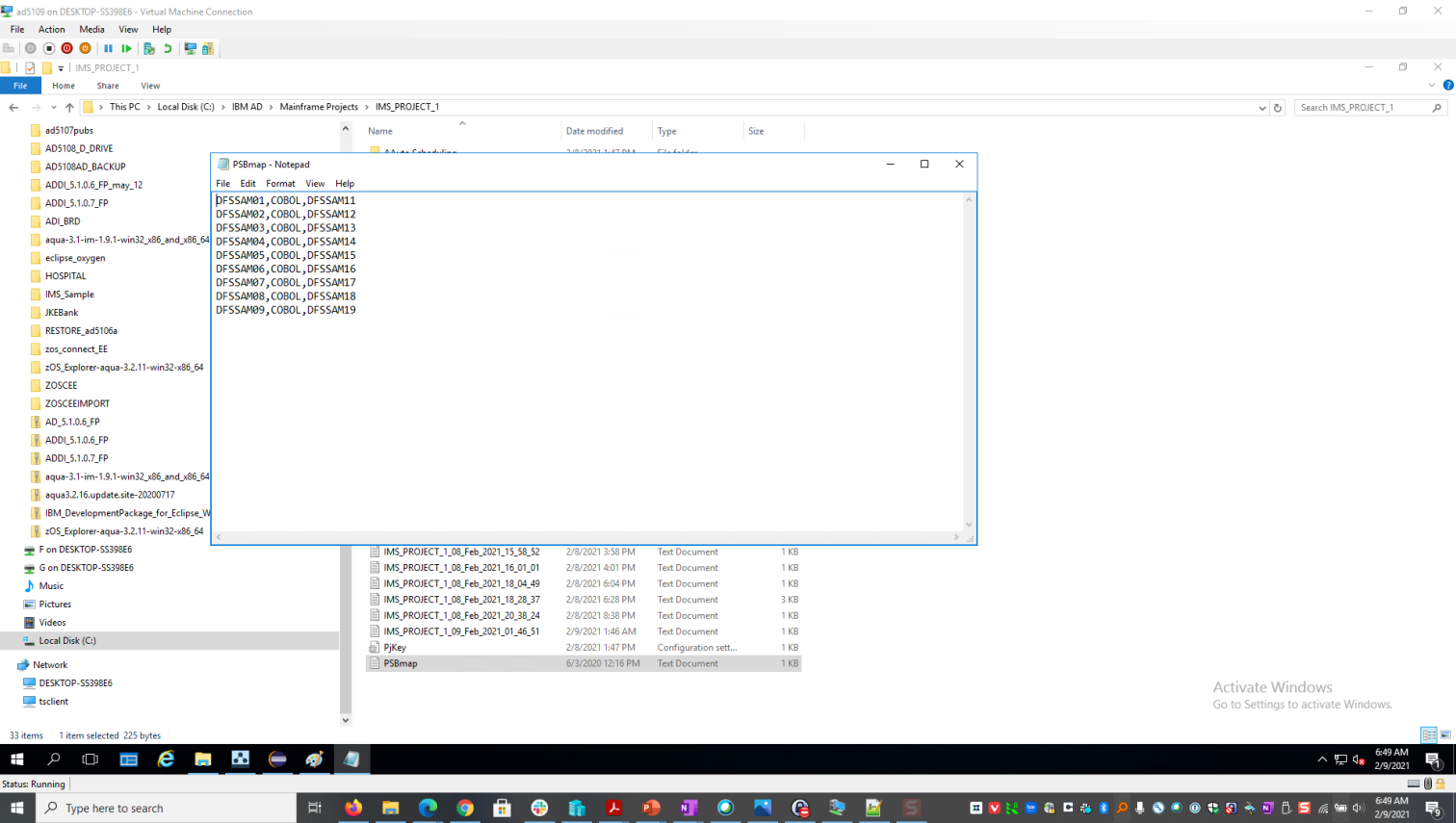


SETTINGS TO ADD AN EXISTING COPYBOOK LIBRARY TO A PROJECT

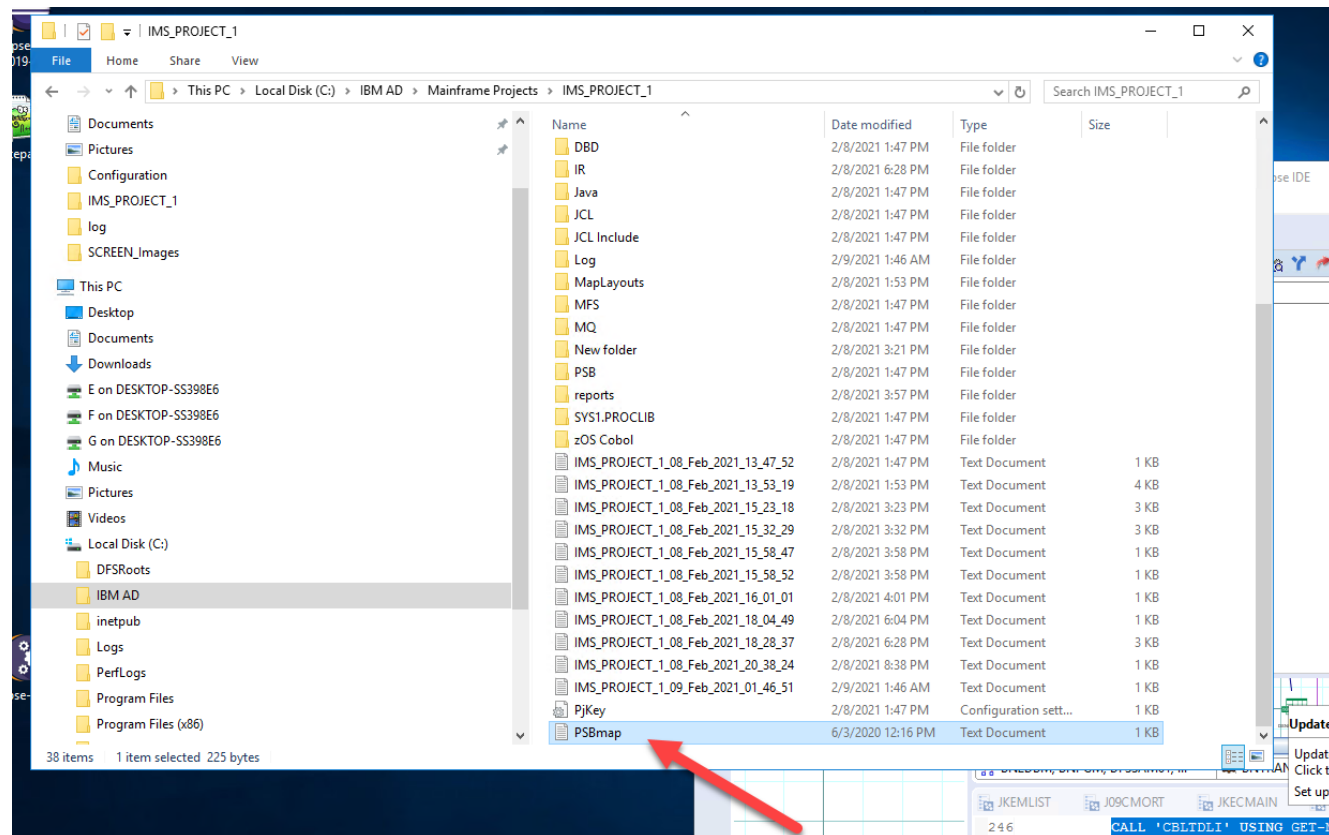


INPUTS TO IMS BUILD

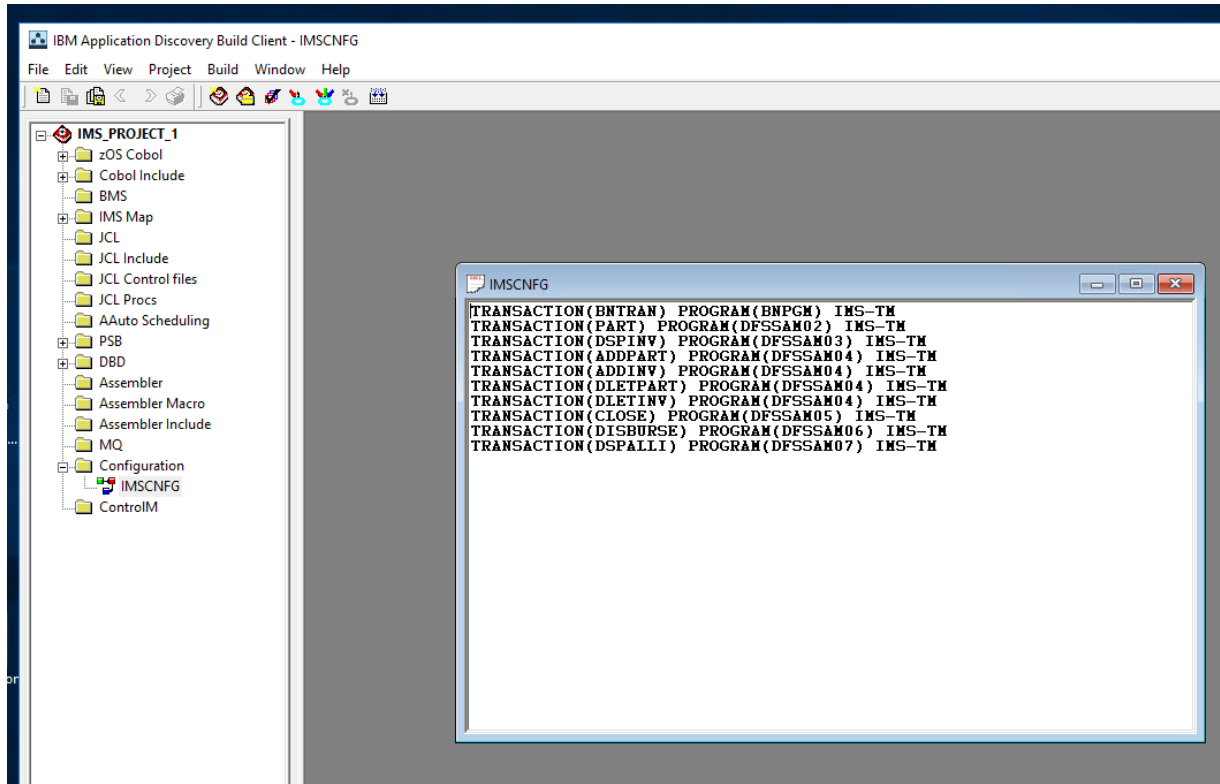
- BUILD CLIENT
- INPUT
 - COBOL SOURCE
 - COBOL INCLUDE
 - COBOL SCREEN MAPPING: MFS FILES
 - DBD FILES
 - PSB FILES
- TRANSACTION LIST: in CONFIGURATION VIRTUAL FOLDER
- PSBMAP.txt:



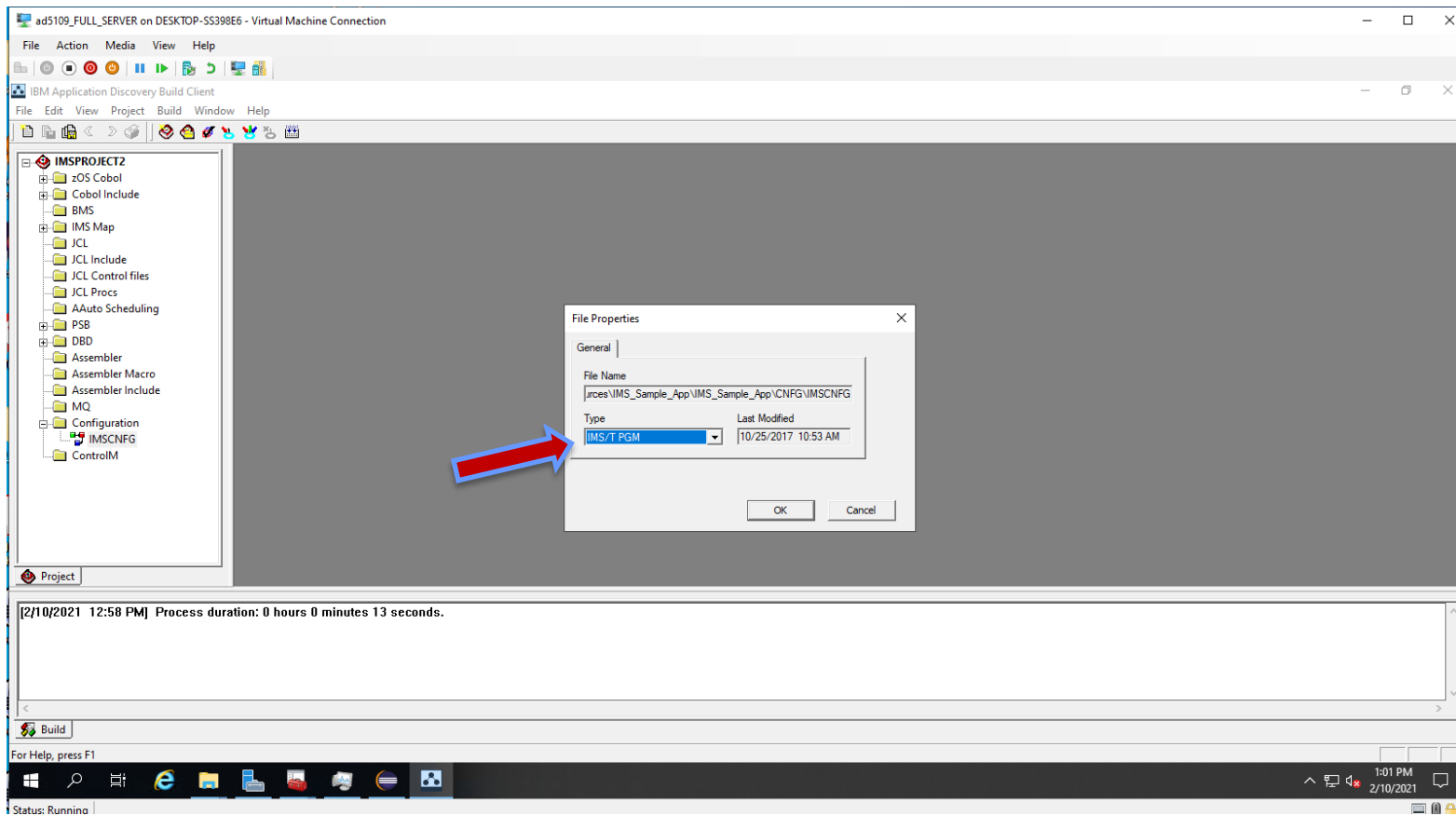
LOCATION OF PSBMAP.txt file

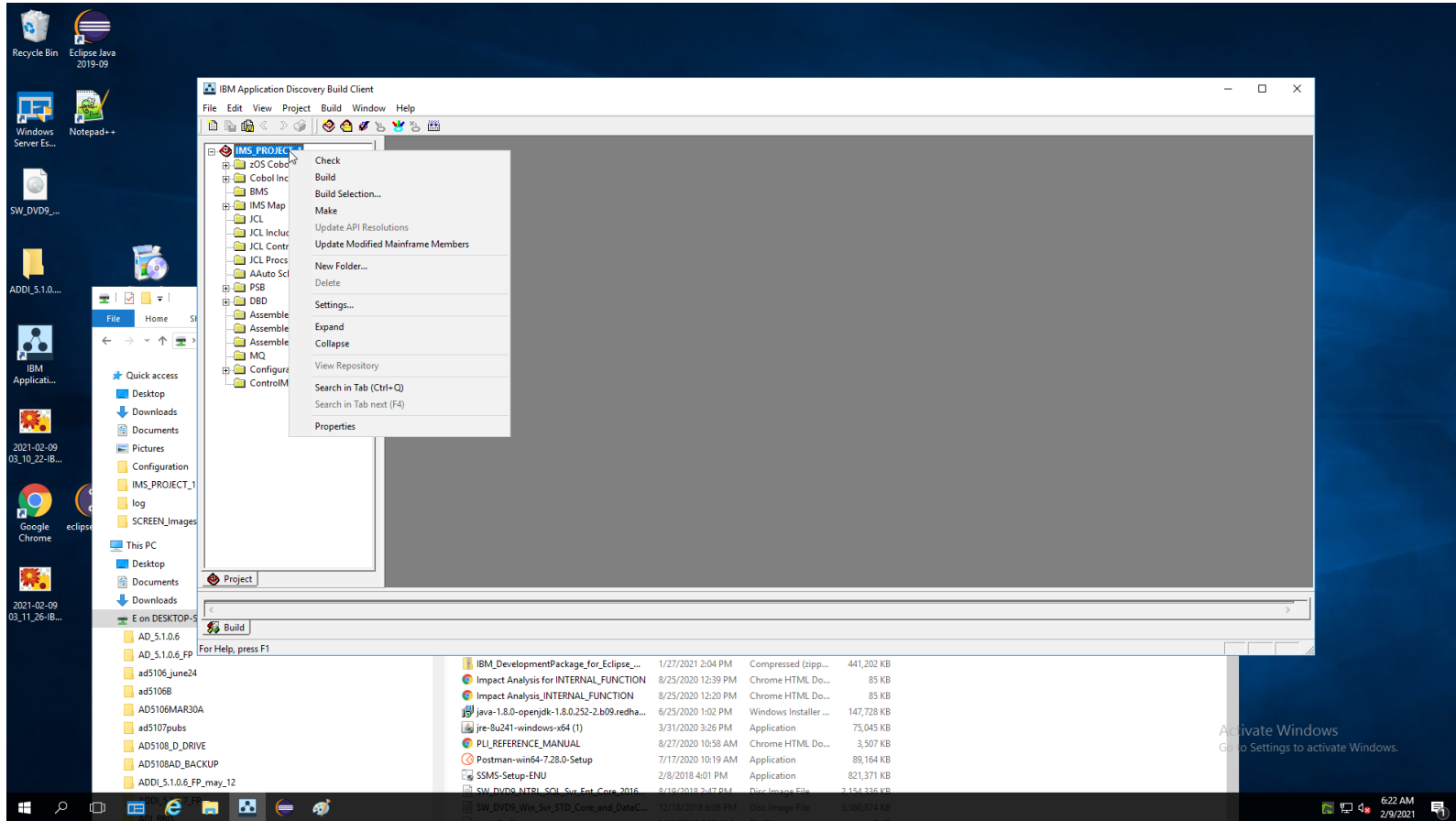


TRANSACTION LIST



IMS TRANSACTION ...CONFIGURATION TYPE

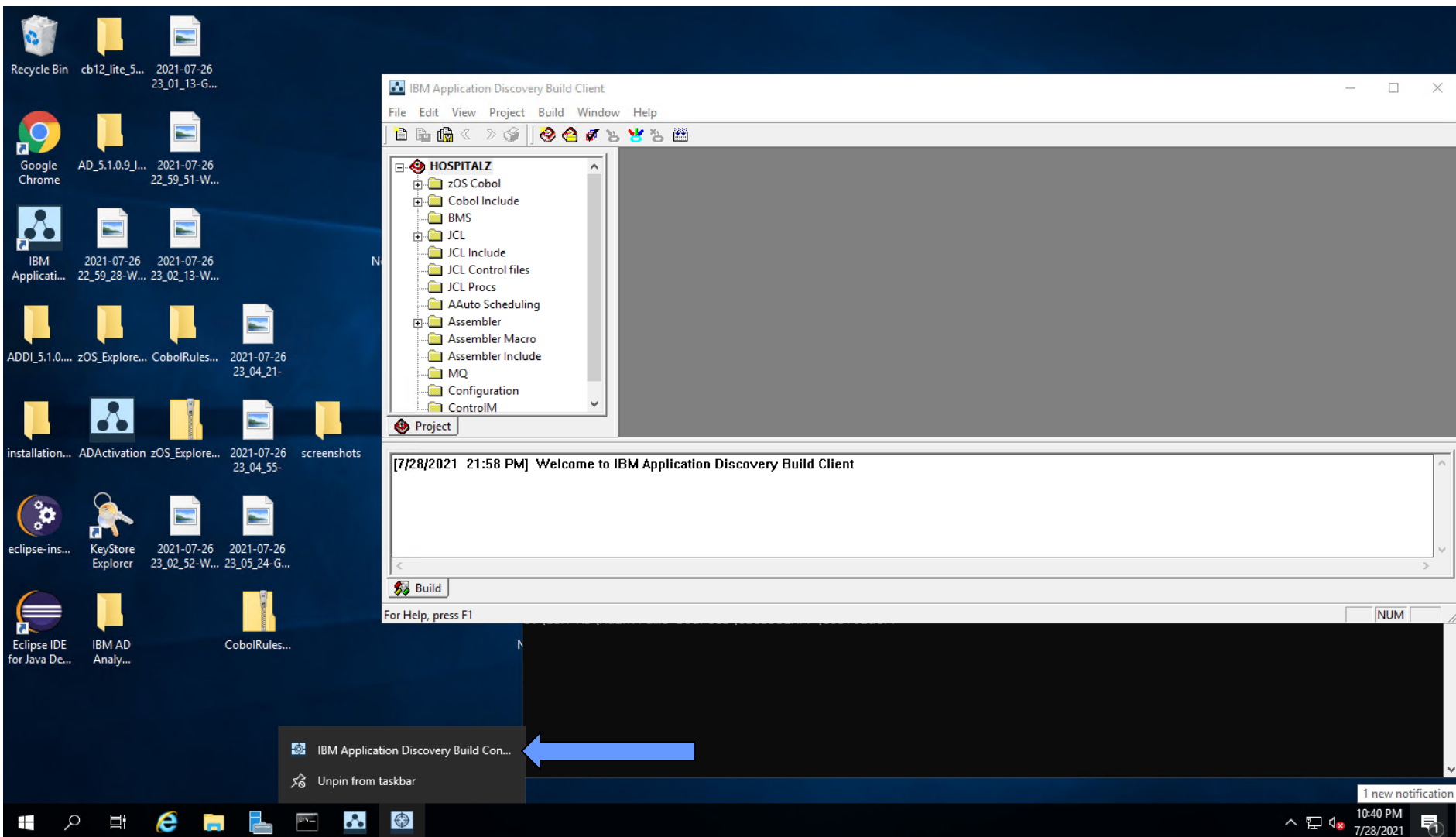




BUILD CLIENT: IMS APPLICATION READY TO BUILD



INVOKE BUILD CONFIGURATOR



BUILD CONFIGURATOR: SELECT zOS TAB

IBM Application Discovery Build Configuration

Projects on the CCS and users connected to them:

Projects

zOS

+

BATCHCREATE

+

CICSDB2APP

+

GENAPP

+

HOSPITALZ - 1 user(s)

+

IMSPROJECT2

+

JKEBANK_RESOLUTION

+

JKEBANK03

+

JKEBANK2

+

natural2

[7/28/2021 22:43 PM] JKEBANK_RESOLUTION

[7/28/2021 22:43 PM] GENAPP

[7/28/2021 22:43 PM] JKEBANK03

[7/28/2021 22:43 PM] IMSPROJECT2

[7/28/2021 22:43 PM] HOSPITALZ

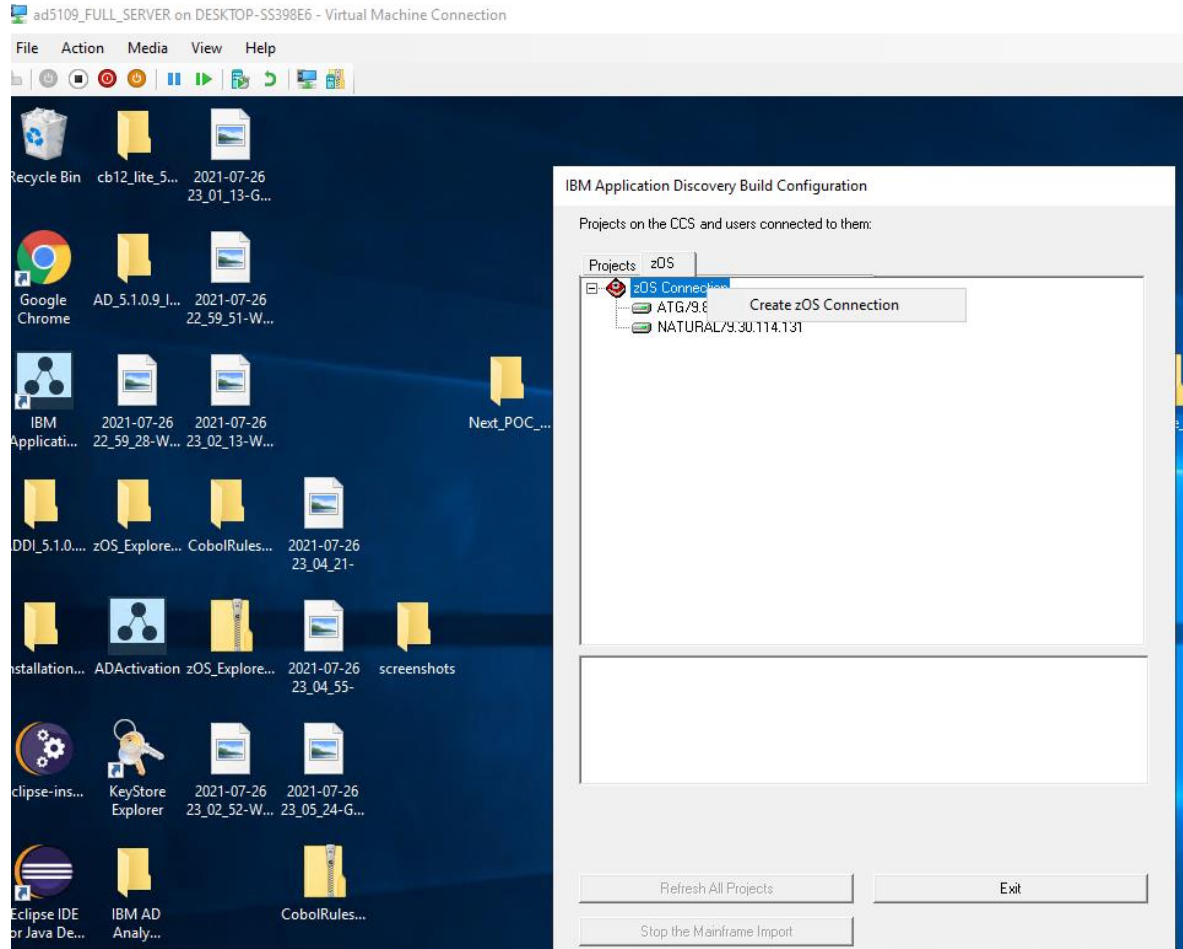
Projects information retrieved successfully.

Refresh All Projects

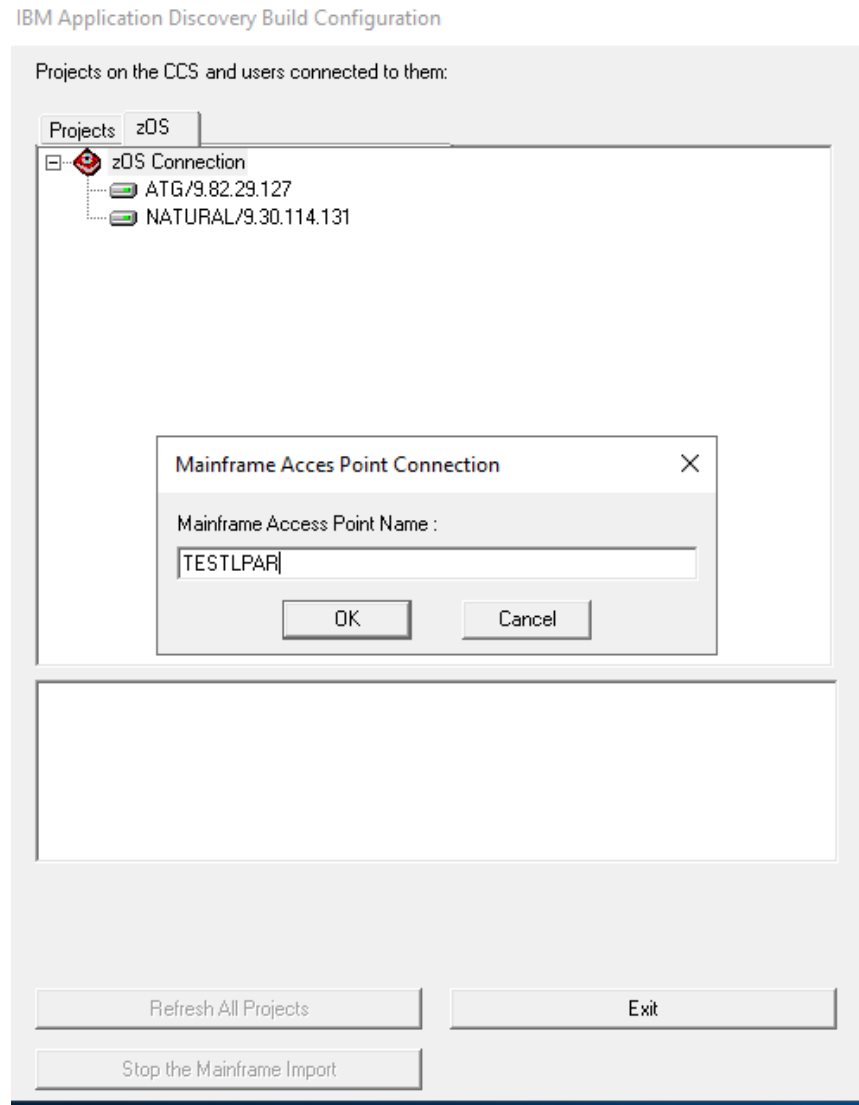
Exit

Stop the Mainframe Import

CREATE A zOS LPAR CONNECTION TO APPLICATION DISCOVERY



ASSOCIATE IP ADDRESS AND PORT TO A CONNECTION NAME



SPECIFY IP ADDRESS AND PORT.....CLICK “TEST CONNECTION”

IBM Application Discovery Build Configuration

Projects on the CCS and users connected to them:

Projects zOS

- zOS Connection
 - ATG/9.82.29.127
 - NATURAL/9.30.114.131

zOS Connection Setup

Name: TESTLPAR

Host IP / Host Name : 9.82.29.127

Port : 46010

Maximal number of concurrent threads: 10

Enable AT-TLS ☐

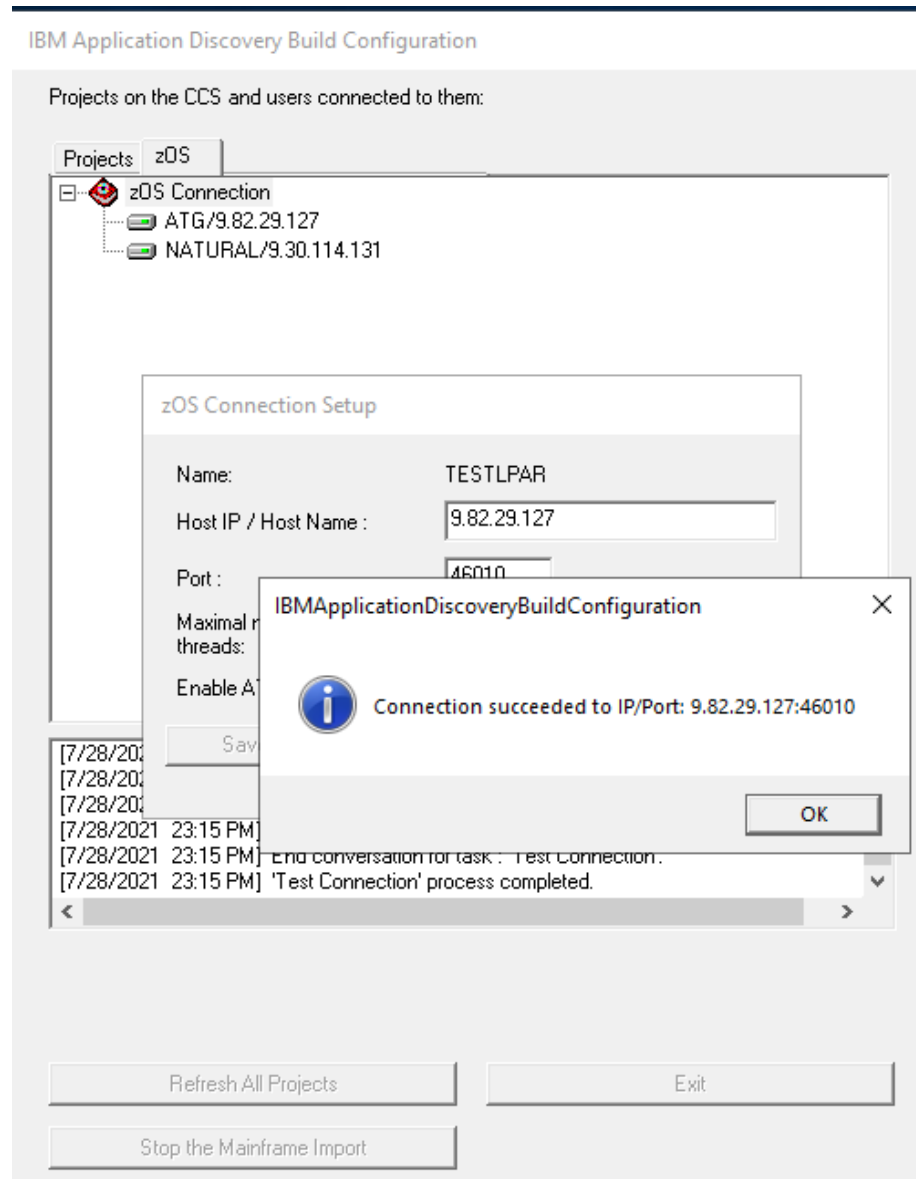
Save Exit Test Connection

[7/28/2021 23:01 PM] 'Test Connection' process completed.

Refresh All Projects Exit

Stop the Mainframe Import

CONNECTIVITY VERIFIED



ASSOCIATE LPAR TO PROJECT

IBM Application Discovery Build Configuration

Projects on the CCS and users connected to them:

Projects zOS

BATCHCREATE

CICSDB2APP

GENAPP

HOSPITALZ -

IMSPROJECT

JKEBANK_RE

JKEBANK03

JKEBANK2

natural2

Associate zOS

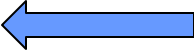
Recreate repository

Upgrade Repository

Delete Project

Rename Project

Project Information



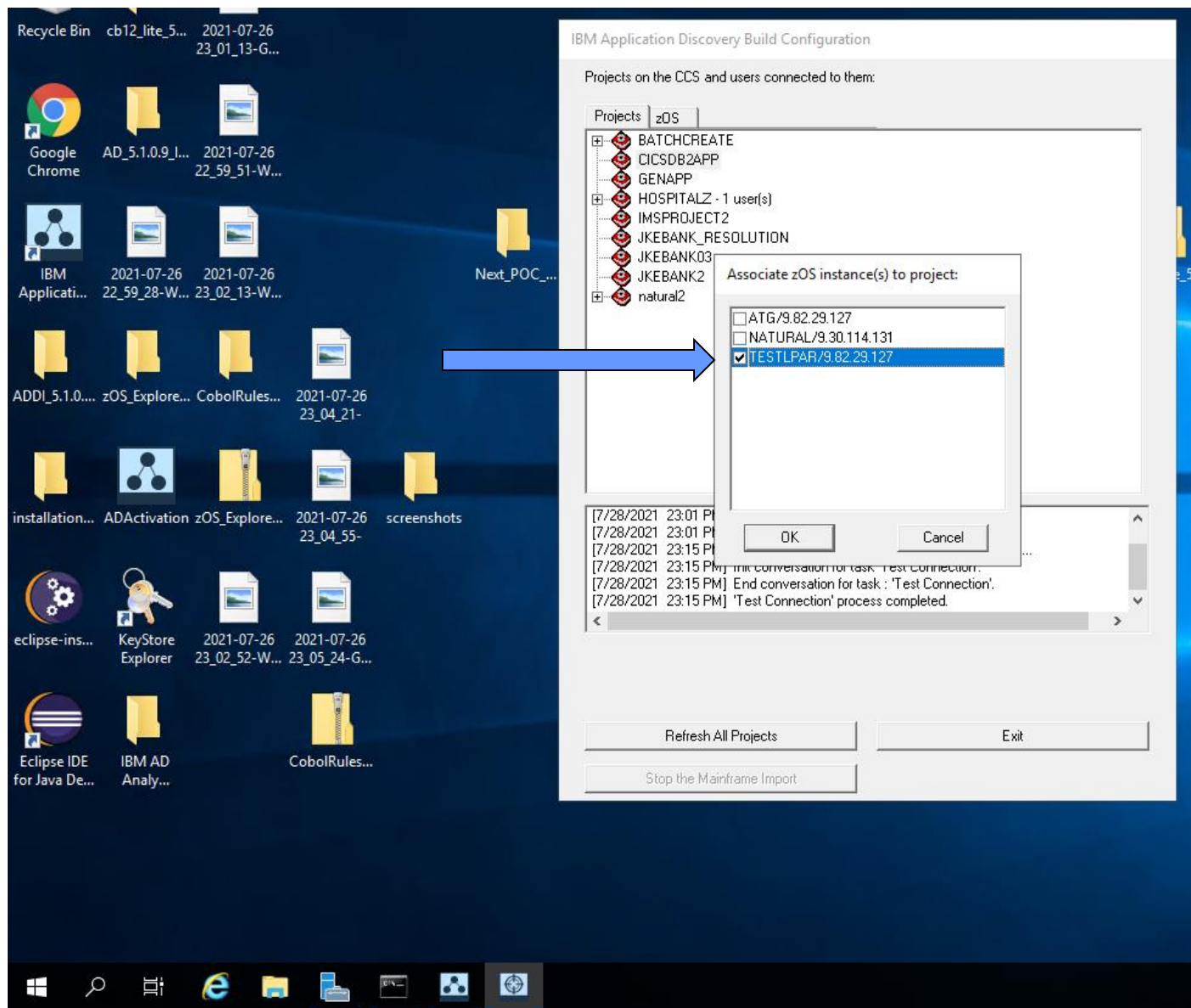
[7/28/2021 23:01 PM] End conversation for task : 'Test Connection'.
[7/28/2021 23:01 PM] 'Test Connection' process completed.
[7/28/2021 23:15 PM] Retrieving 'Test Connection' data (task 1 out of 1) ...
[7/28/2021 23:15 PM] Init conversation for task 'Test Connection'.
[7/28/2021 23:15 PM] End conversation for task : 'Test Connection'.
[7/28/2021 23:15 PM] 'Test Connection' process completed.

Refresh All Projects

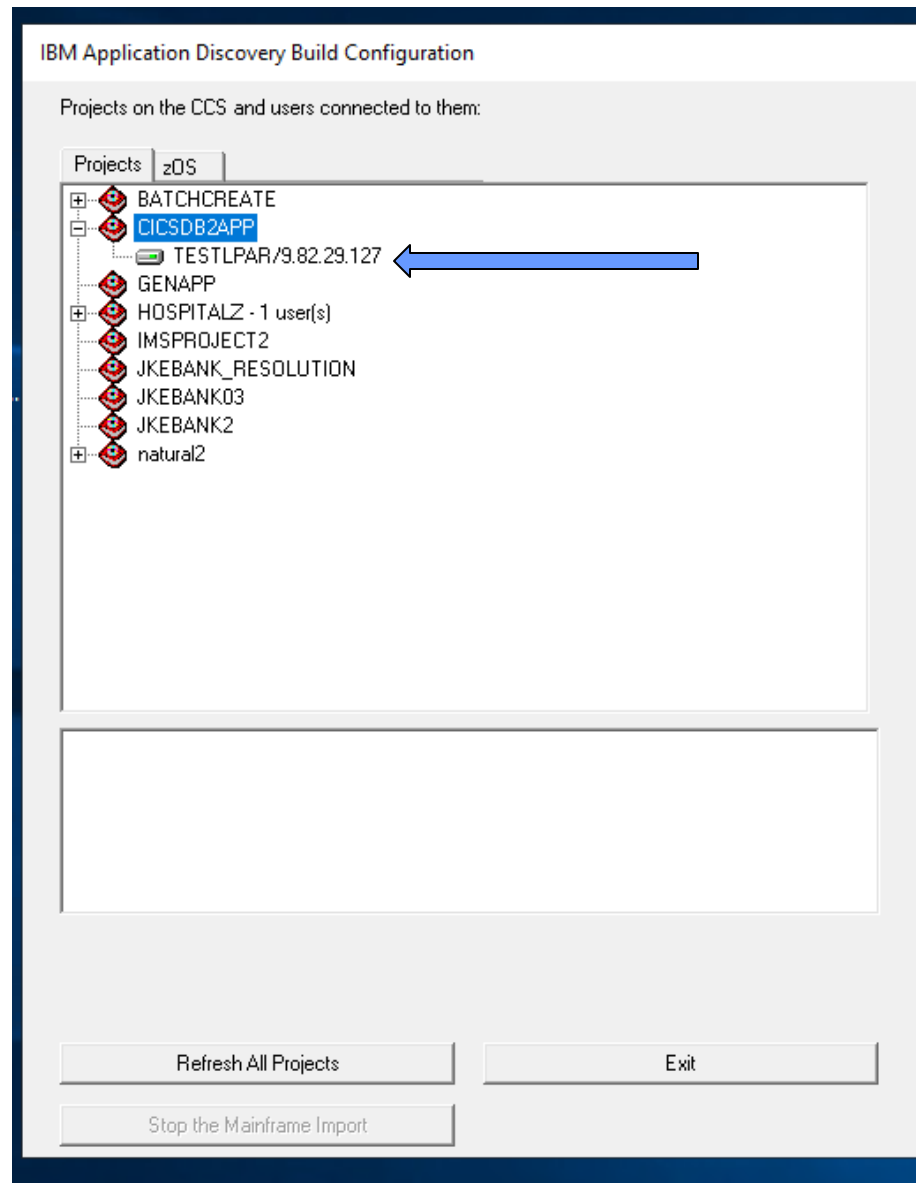
Exit

Stop the Mainframe Import

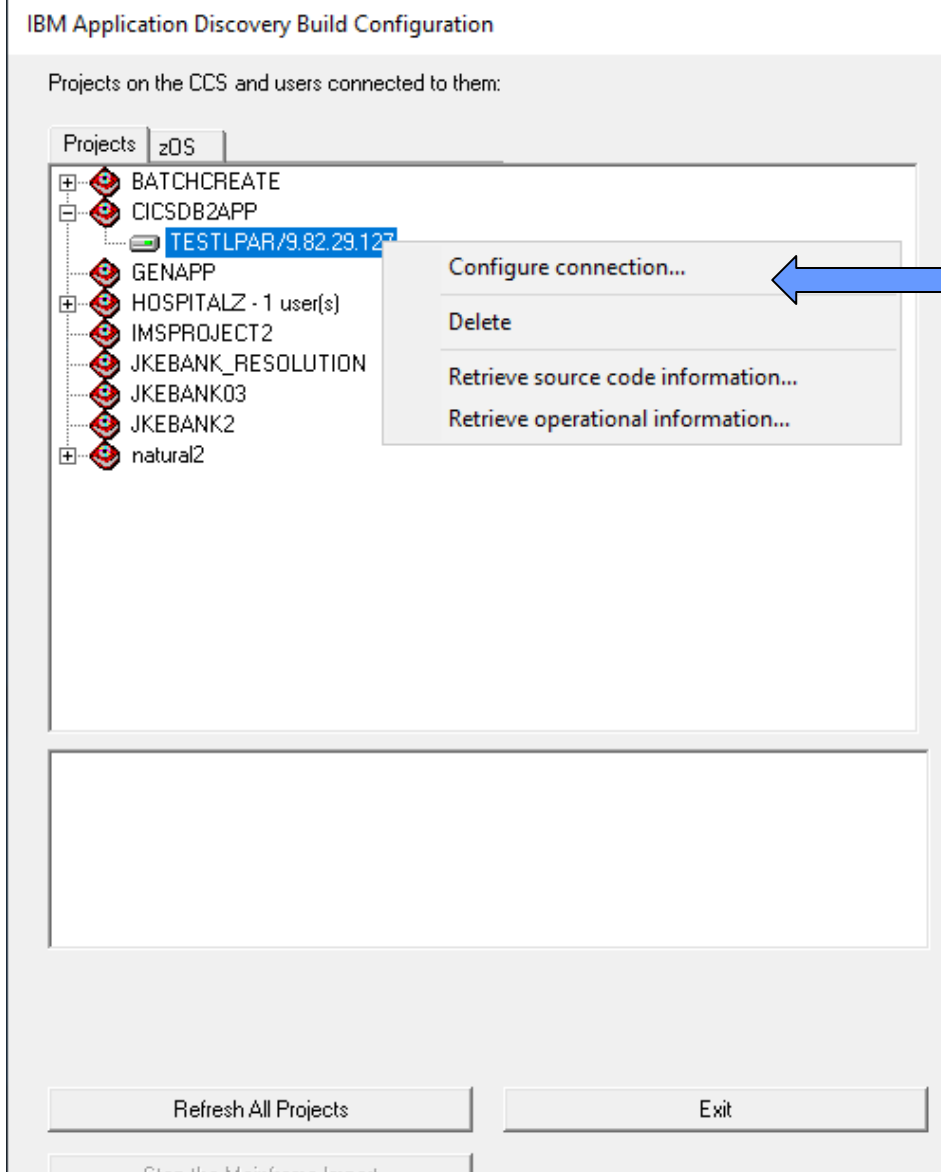
ASSOCIATE LPAR TO PROJECT



TESTLPAR ASSOCIATED TO CICSDB2APP



CONFIGURE CONNECTION



CONFIGURING INPUT DATASET AS PDS

The screenshot displays the 'IBM Application Discovery Build Configuration' window. The 'zOS configuration' tab is active, showing a tabbed interface with options: Files and Libraries, ControlM, CICS information, ENDEVOR Info, DB/2 and MQ, Natural and Adabas, and IMS information. A blue arrow points to the 'Files and Libraries' tab with the text 'THIS TAB IS FOR PDS'. The 'Files and Libraries' section contains a text field for 'SMF History File:', a list box for 'zOS Source Libraries:', and buttons for 'Add', 'Update', 'Edit', and 'Remove'. A blue arrow labeled 'INPUT' points to the 'zOS Source Libraries:' list box. A status bar at the bottom indicates 'Parameters were successfully restored from C:\IBM AD\Mainframe Projects\CICSD82APP\MVS\TESTLPAR.ini'. At the bottom right are 'Save' and 'Exit' buttons. A blue box in the top right corner contains the text 'NOTICE THAT ENDEVOR CONFIGURATION IS ANOTHER TAB'.

IBM Application Discovery Build Configuration

zOS configuration

Files and Libraries | ControlM | CICS information | ENDEVOR Info | DB/2 and MQ | Natural and Adabas | IMS information

Files and Libraries

SMF History File:

zOS Source Libraries:

INPUT

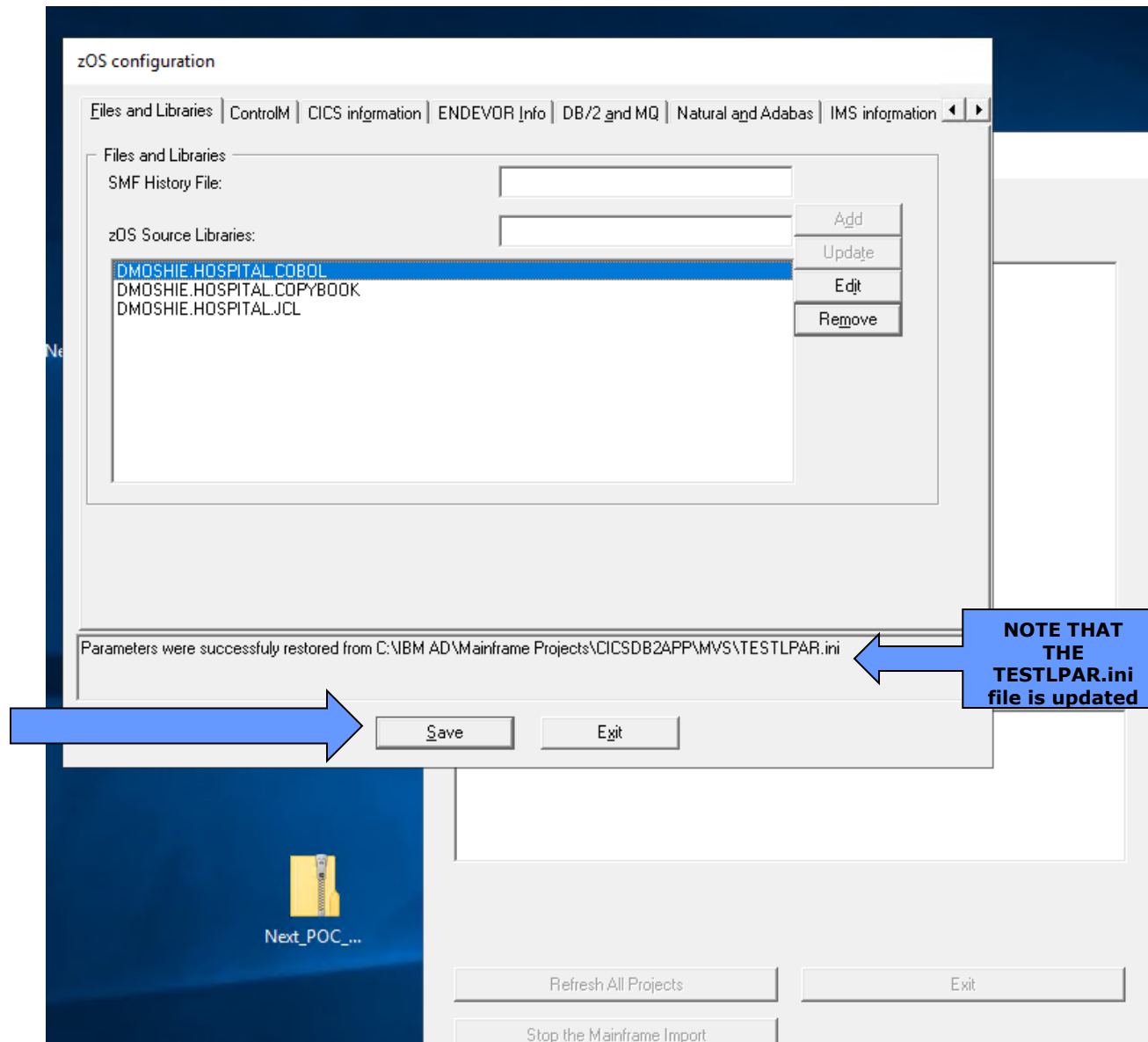
Add
Update
Edit
Remove

Parameters were successfully restored from C:\IBM AD\Mainframe Projects\CICSD82APP\MVS\TESTLPAR.ini

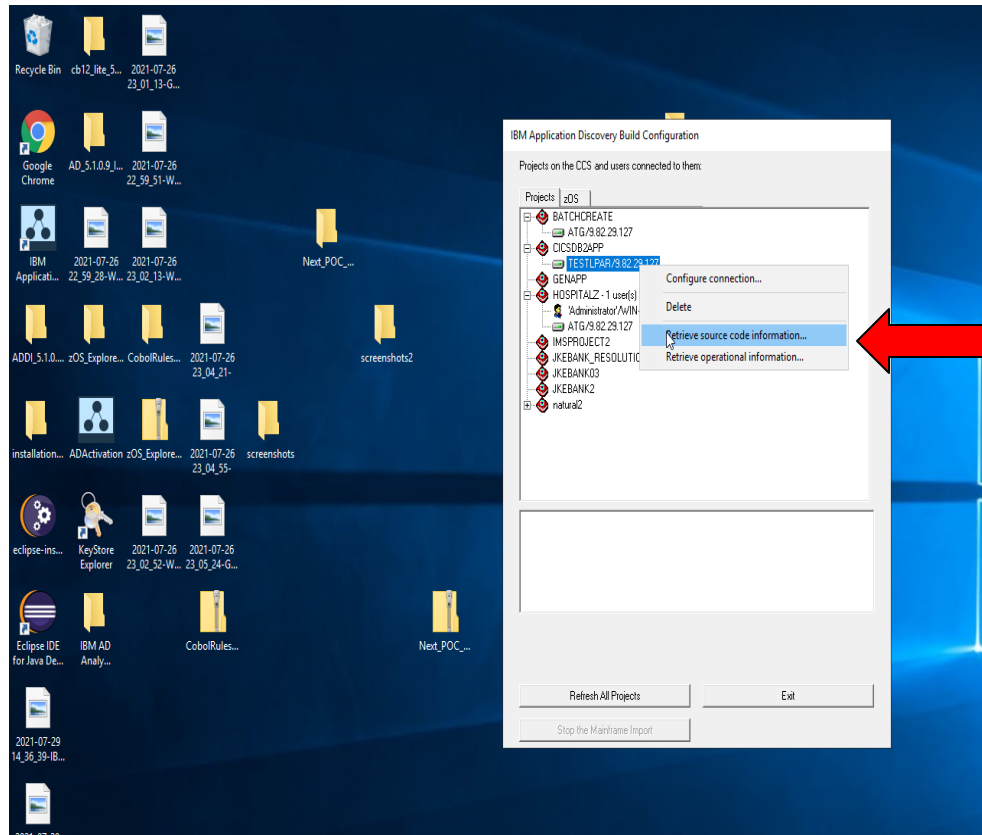
Save Exit

NOTICE THAT ENDEVOR CONFIGURATION IS ANOTHER TAB

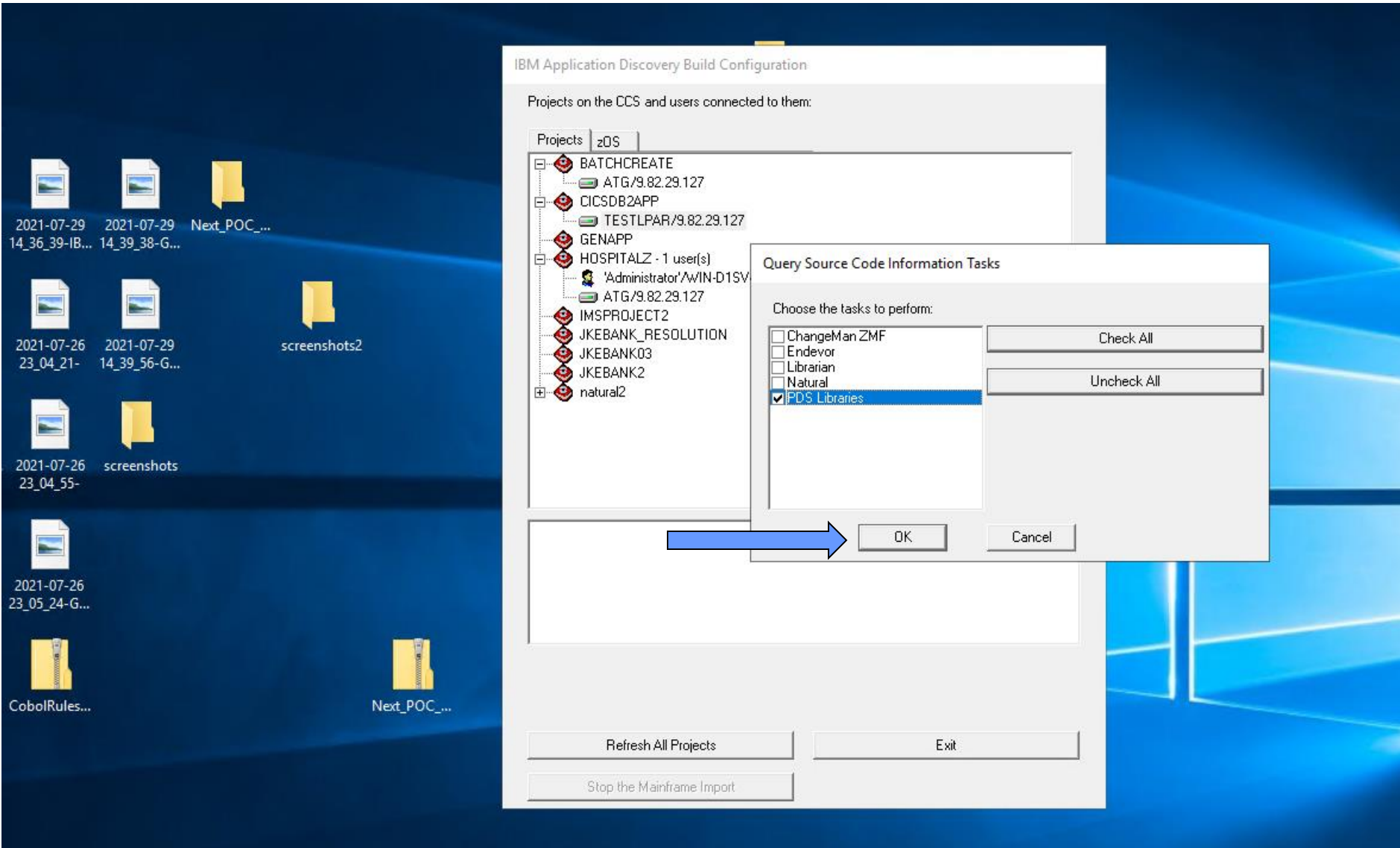
ADDING DATASETS



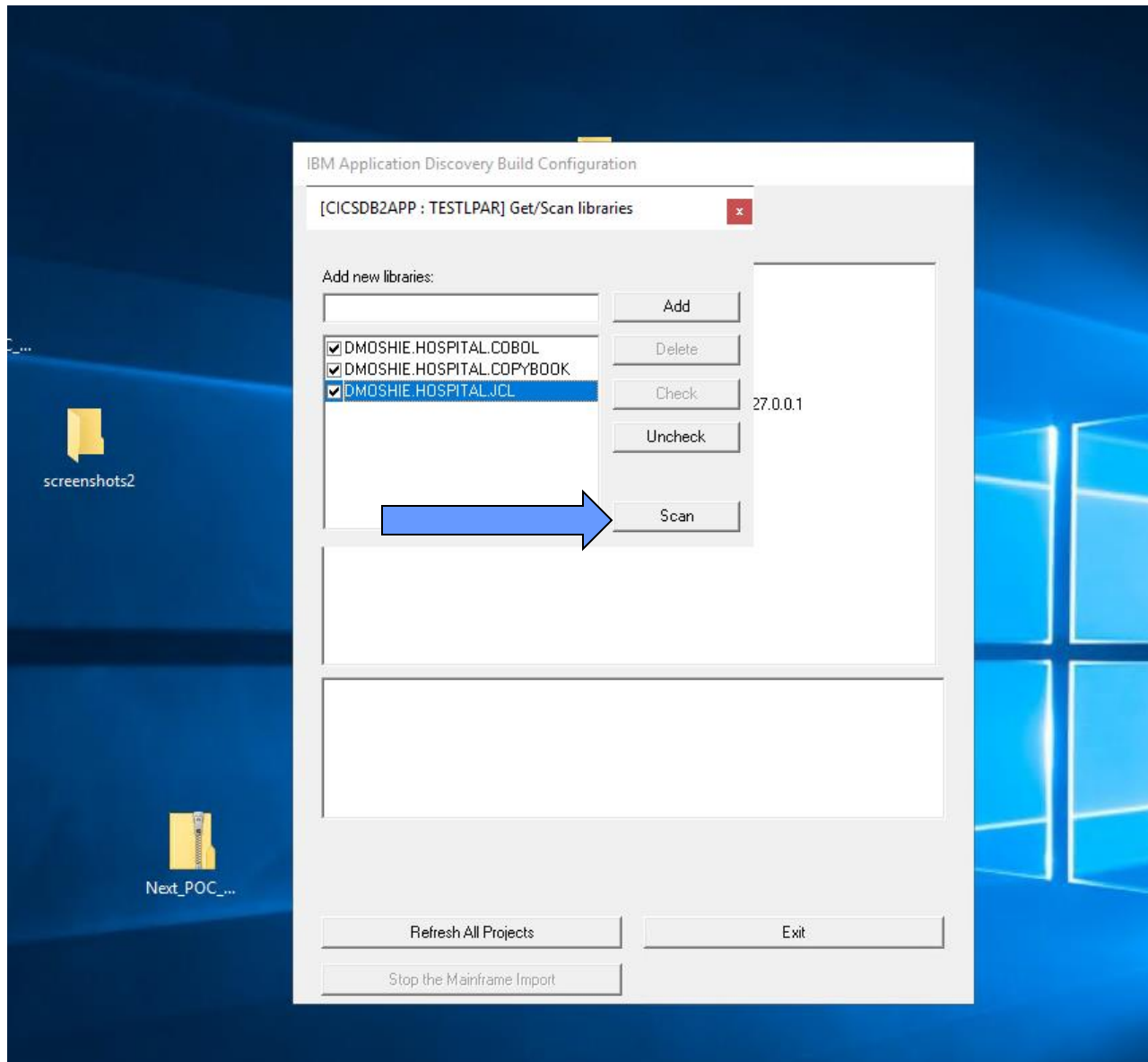
CHECK/SCAN FOR DATASET ACCESS: RETRIEVE SOURCE CODE INFO



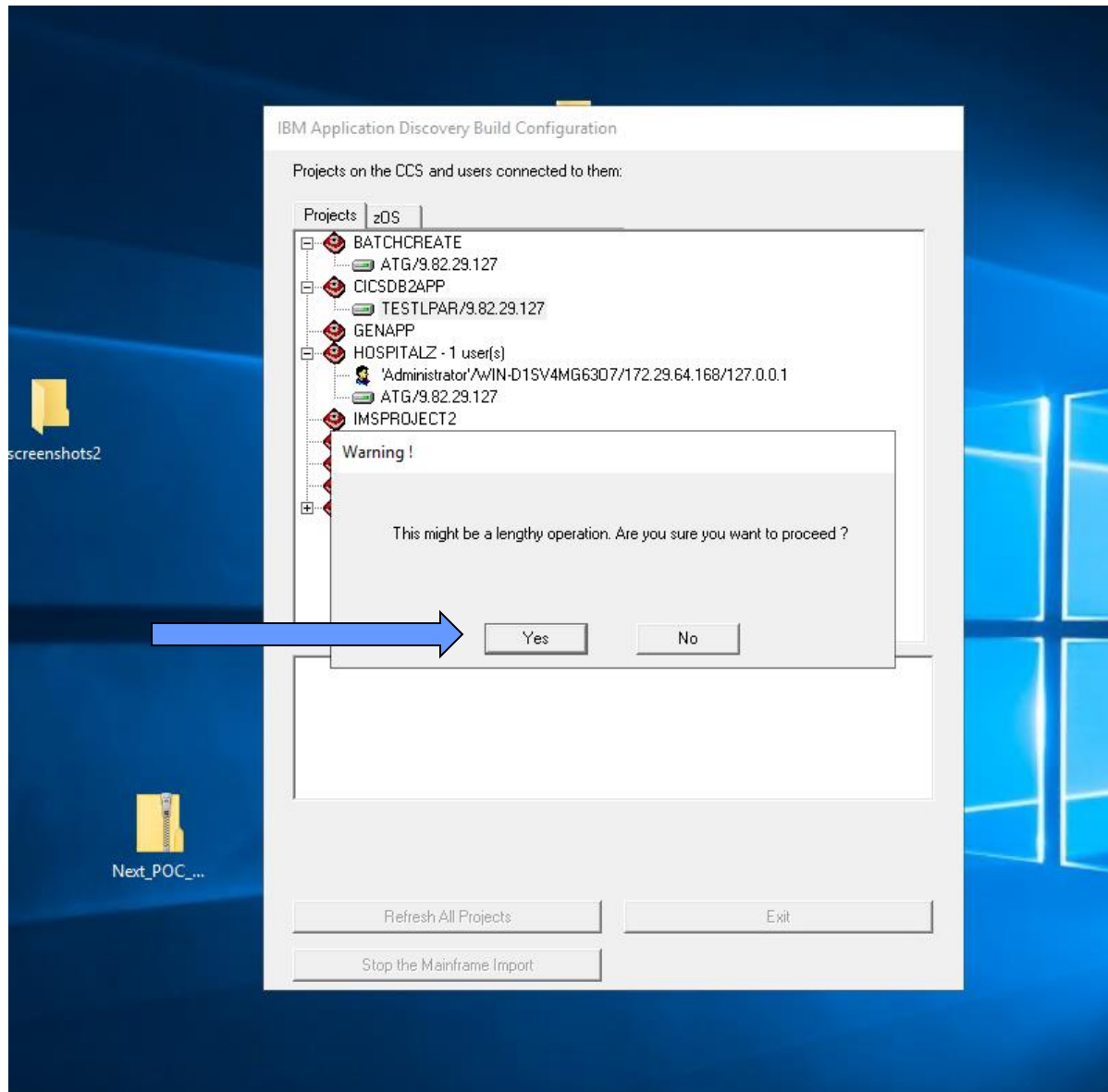
SCAN PDS LIBRARIES.....



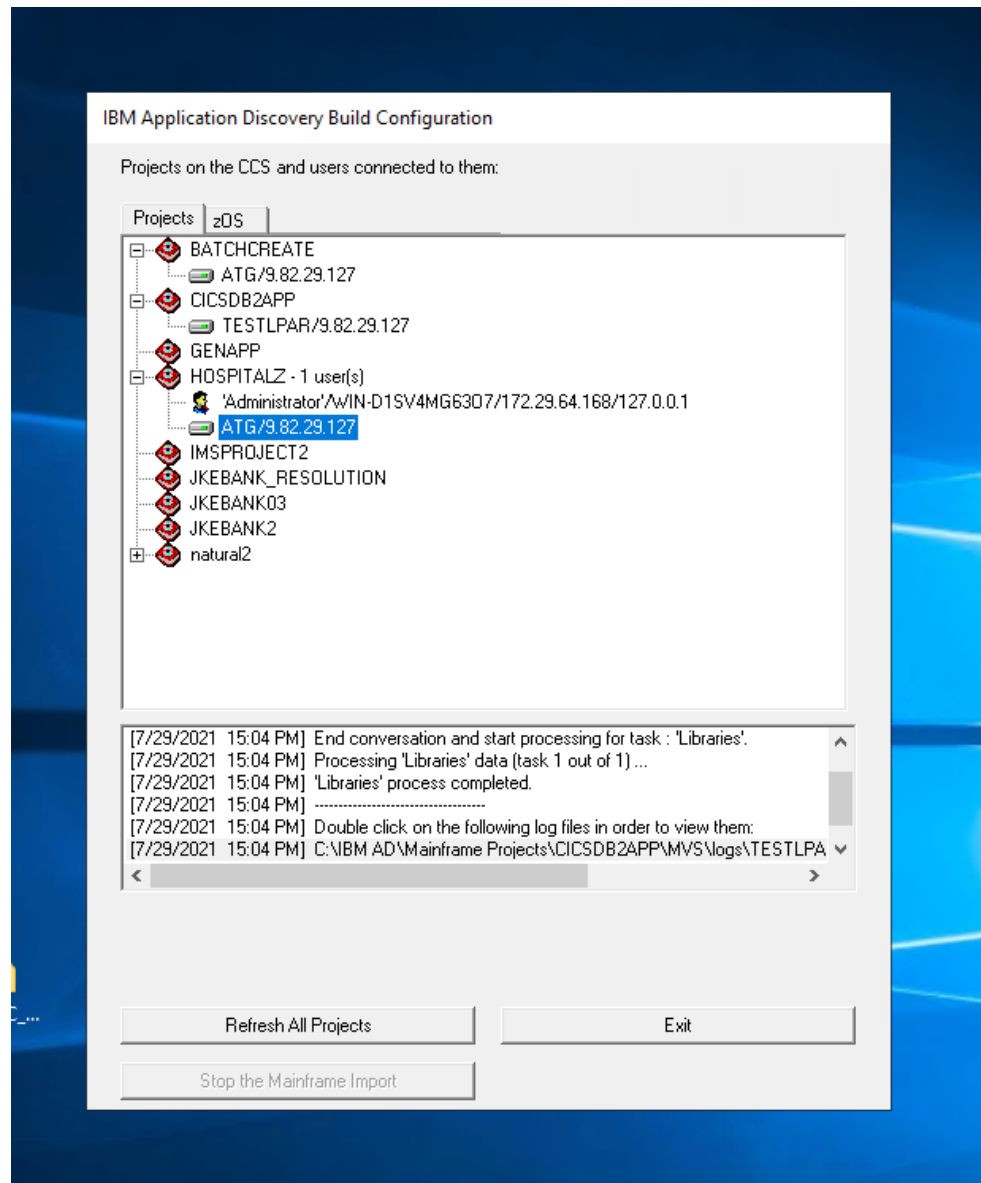
SCANNED ALL THE SOURCE PDS



WARNING ABOUT LENGTHY OPERATION



SCAN COMPLETED....LOOK AT LOG



SCAN LOG....

MF_Import_29_Jul_2021_15_04_23.log

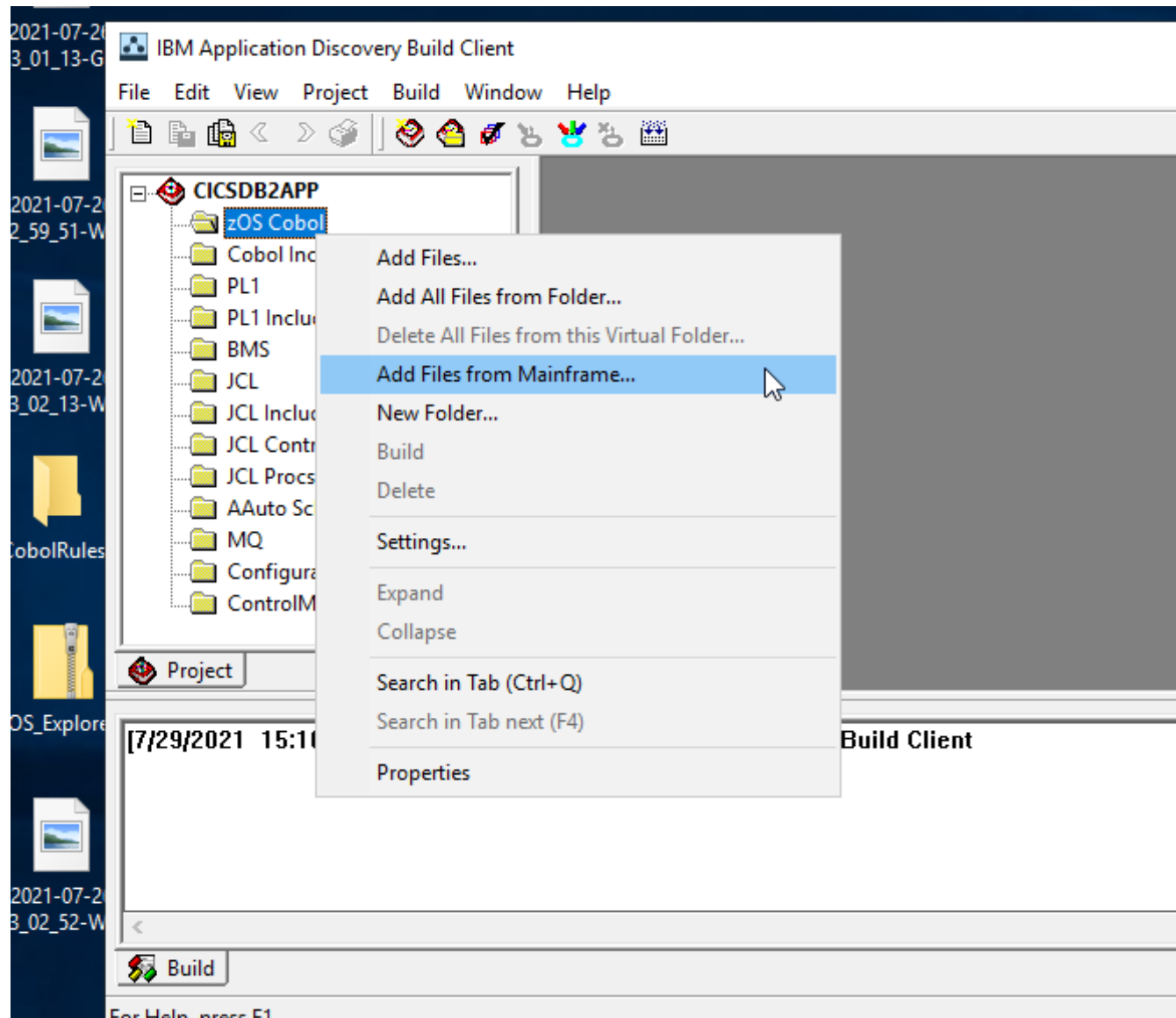
```
[7/29/2021 15:04 PM] =====
[7/29/2021 15:04 PM] Retrieving 'Libraries' data (task 1 out of 1) ...
[7/29/2021 15:04 PM] Init conversation for task 'Libraries'.
[7/29/2021 15:04 PM] Send request to server.
[7/29/2021 15:04 PM] Response from server received.
[7/29/2021 15:04 PM] End conversation and start processing for task : 'Libraries'.
[7/29/2021 15:04 PM] =====
[7/29/2021 15:04 PM] Processing 'Libraries' data (task 1 out of 1)
[7/29/2021 15:04 PM] Processing PDS/MVS libraries:
[7/29/2021 15:04 PM] DMOSHIE.HOSPITAL.COBOL
[7/29/2021 15:04 PM] DMOSHIE.HOSPITAL.COPYBOOK
[7/29/2021 15:04 PM] DMOSHIE.HOSPITAL.JCL
[7/29/2021 15:04 PM] Processing Library Members:
[7/29/2021 15:04 PM] CLCLBCST
[7/29/2021 15:04 PM] DALYEDIT
[7/29/2021 15:04 PM] DALYUPDT
[7/29/2021 15:04 PM] MQPUTSUB
[7/29/2021 15:04 PM] MSTRUPDT
[7/29/2021 15:04 PM] PATLIST
[7/29/2021 15:04 PM] PATSRCH
[7/29/2021 15:04 PM] PCTPROC
[7/29/2021 15:04 PM] TRMTSRCH
[7/29/2021 15:04 PM] TRMTUPDT
[7/29/2021 15:04 PM] TRTMNT
[7/29/2021 15:04 PM] WARDRPT
[7/29/2021 15:04 PM] ABENDREC
[7/29/2021 15:04 PM] BNCHDALY
[7/29/2021 15:04 PM] BNCHINS
[7/29/2021 15:04 PM] BNCHMSTR
[7/29/2021 15:04 PM] BNCHPRSN
[7/29/2021 15:04 PM] BNCHTRMT
[7/29/2021 15:04 PM] COBPERF
[7/29/2021 15:04 PM] CUSTMAST
[7/29/2021 15:04 PM] CUSTREC
[7/29/2021 15:04 PM] CUSVSREC
[7/29/2021 15:04 PM] DATAALC
[7/29/2021 15:04 PM] DATAEDIT
[7/29/2021 15:04 PM] DATASRCH
[7/29/2021 15:04 PM] DIAGCODE
[7/29/2021 15:04 PM] EQUIP
[7/29/2021 15:04 PM] HEALTHP
[7/29/2021 15:04 PM] HLTHPLAN
[7/29/2021 15:04 PM] HOSPBED
[7/29/2021 15:04 PM] MEDICATN
[7/29/2021 15:04 PM] PATDALY
[7/29/2021 15:04 PM] PATINS
[7/29/2021 15:04 PM] PATMSTR
[7/29/2021 15:04 PM] PATPERSN
[7/29/2021 15:04 PM] PATREC
```

INPUT PDS

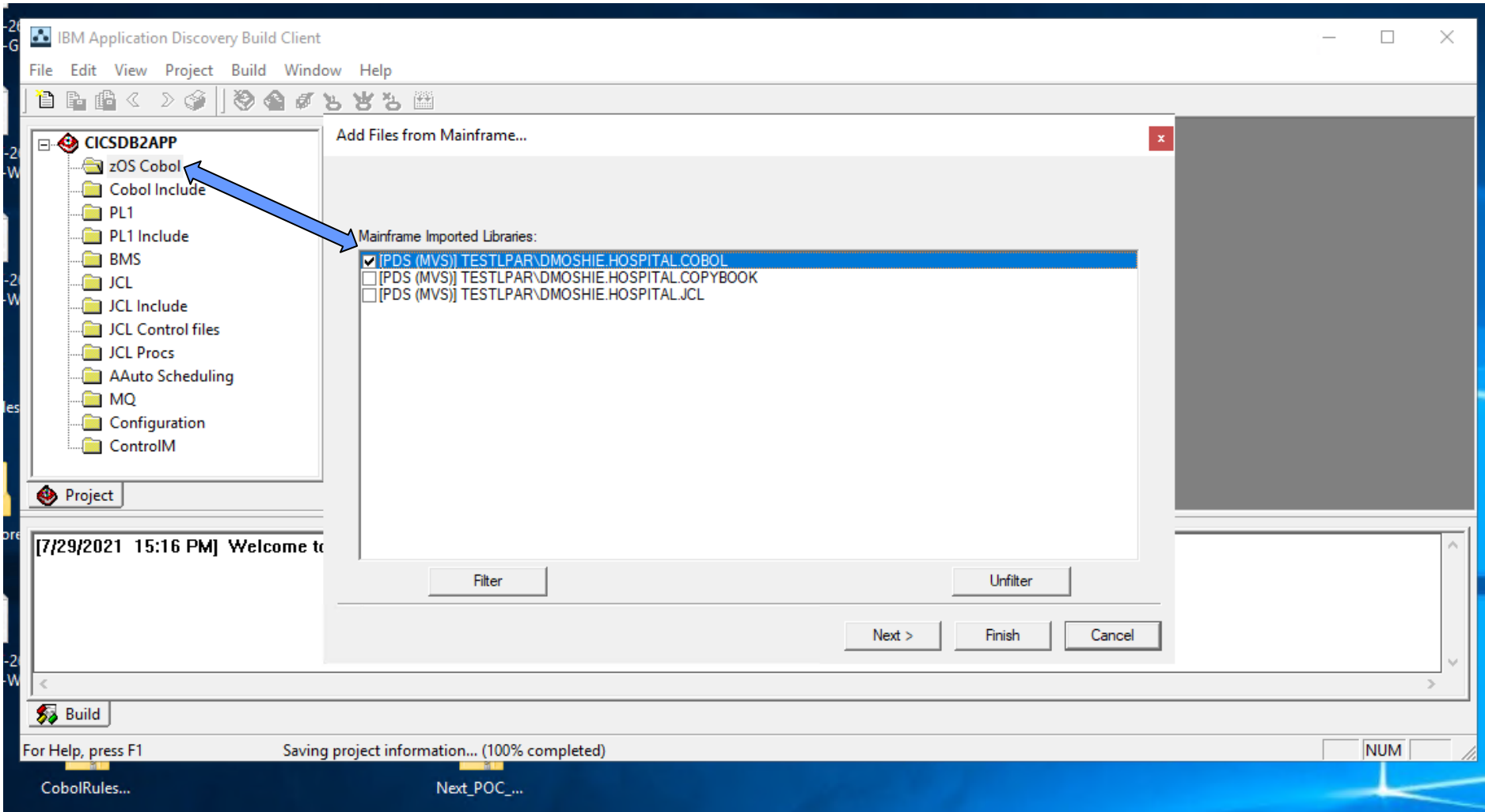
MEMBERS FOUND IN THE ABOVE
PARTITIONED DATASETS

Close

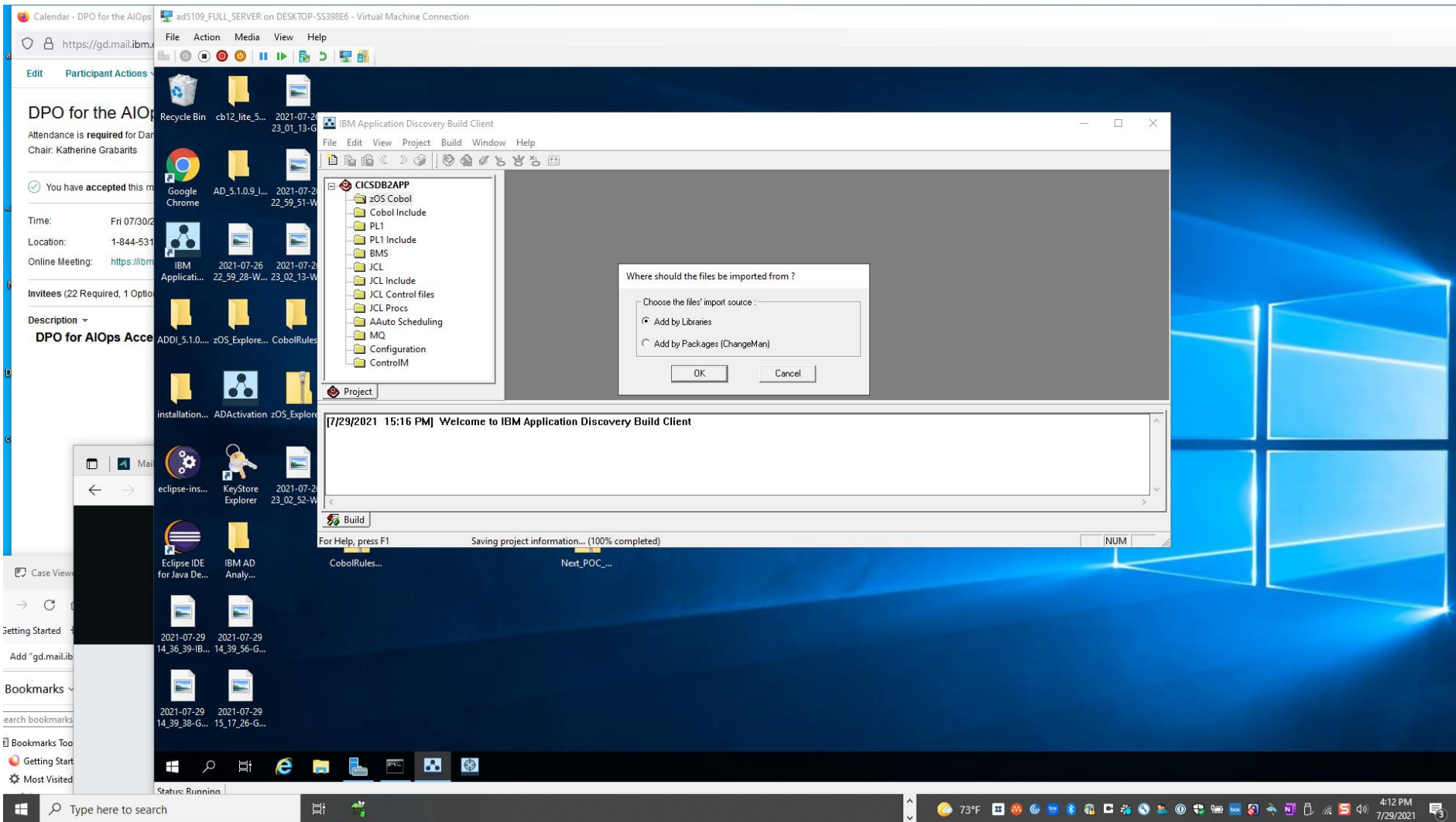
ADD FILES FROM zOS....



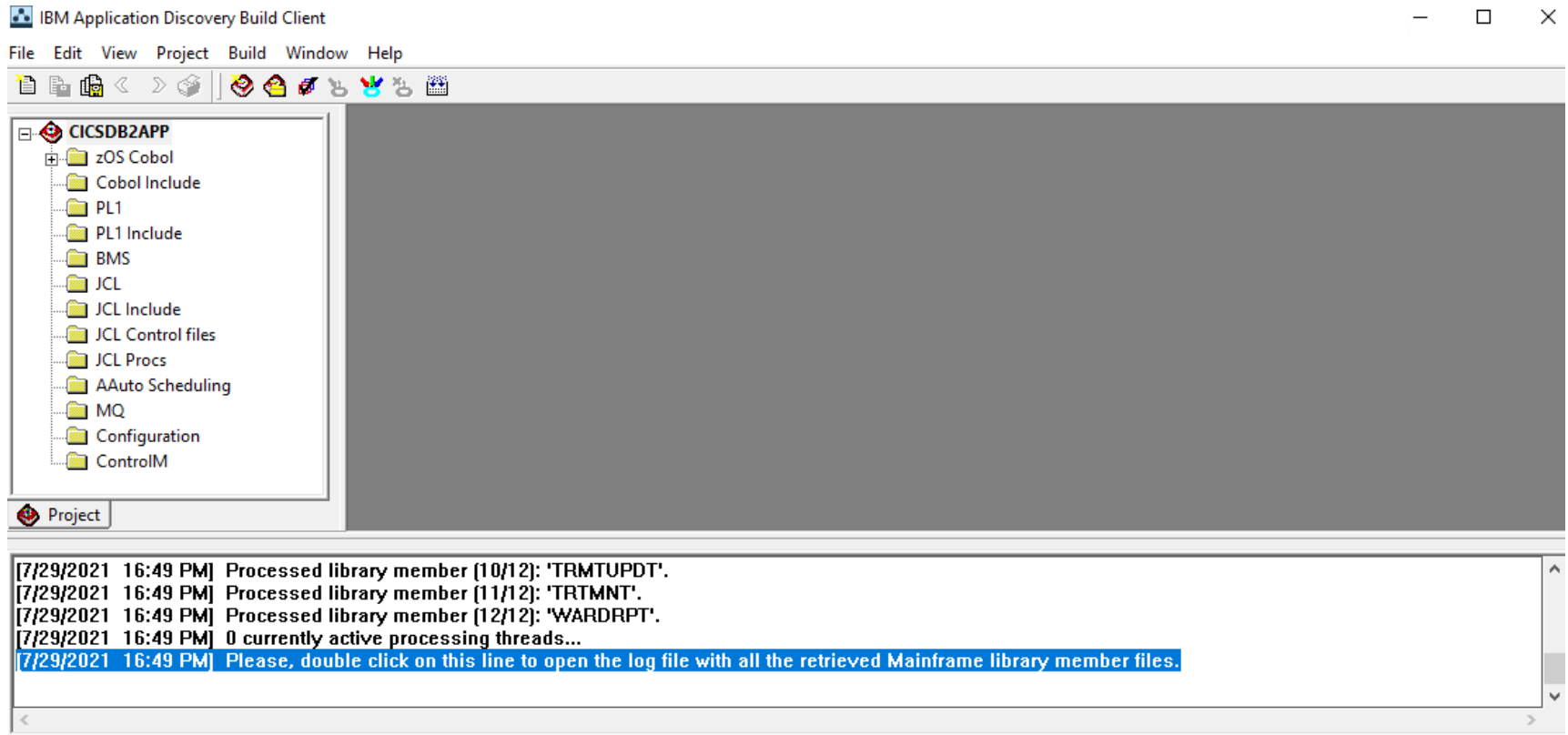
CREATE ASSOCIATION BETWEEN COBOL PDS AND COBOL AD FOLDER



SCAN VIA LIBRARIES (NOT CHANGEMAN)



RETRIEVAL OF COBOL MEMBERS



LISTING OF SOURCE FILES COPIED FROM zOS TO SHARED FOLDER

The screenshot displays the IBM Application Discovery Build Client interface. The main window is titled "IBM Application Discovery Build Client - Mainframe Sources\Mainframe Library Members (SummaryGetMFMemberSources_29_Jul_2021_16_49_36)". The left pane shows a project tree for "CICSDB2APP" with folders like "zOS Cobol", "Cobol Include", "PL1", "PL1 Include", "BMS", "JCL", "JCL Include", "JCL Control files", "JCL Procs", "AAuto Scheduling", "MQ", "Configuration", and "ControlIM". The right pane shows a list of source files copied from zOS to a shared folder, with the following text:

```
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\CICLCBCST
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\DALYEDIT
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\DALYUPDT
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\HQPUSUB
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\MSTRUPDT
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\PATLIST
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\PATSRCH
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\PCTPROC
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\TRMTSRCH
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\TRMTUPDT
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\TRTMNT
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\WARDRPT
```

Below the list, a status bar shows the following messages:

```
[7/29/2021 16:49 PM] Processed library member [10/12]: 'TRMTUPDT'.
[7/29/2021 16:49 PM] Processed library member [11/12]: 'TRTMNT'.
[7/29/2021 16:49 PM] Processed library member [12/12]: 'WARDRPT'.
[7/29/2021 16:49 PM] 0 currently active processing threads...
[7/29/2021 16:49 PM] Please, double click on this line to open the log file with all the retrieved Mainframe library member files.
```

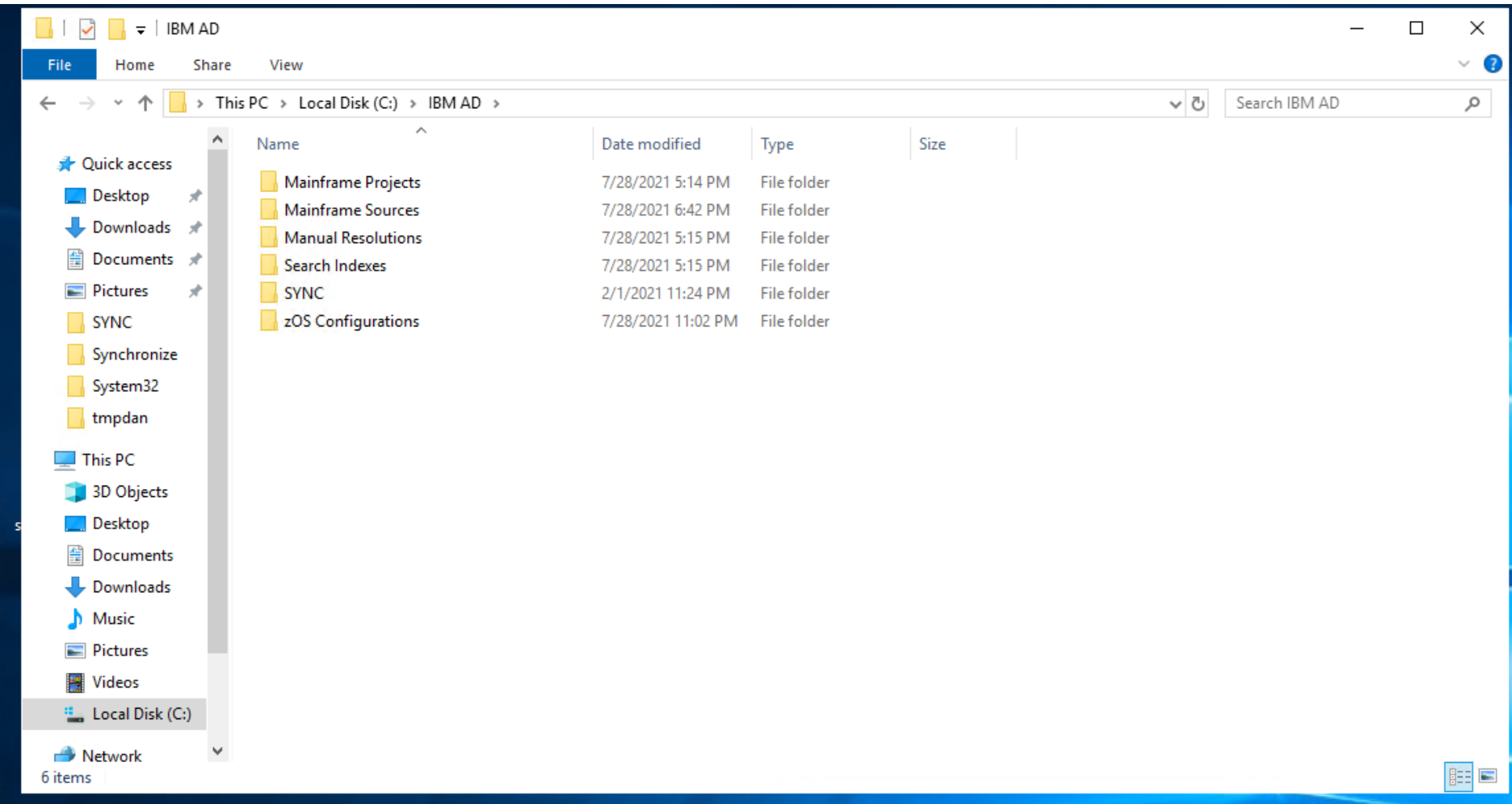
The bottom status bar indicates "Ln 1, Col 1" and "NUM".

SOURCE CODE ON SHARED FOLDER

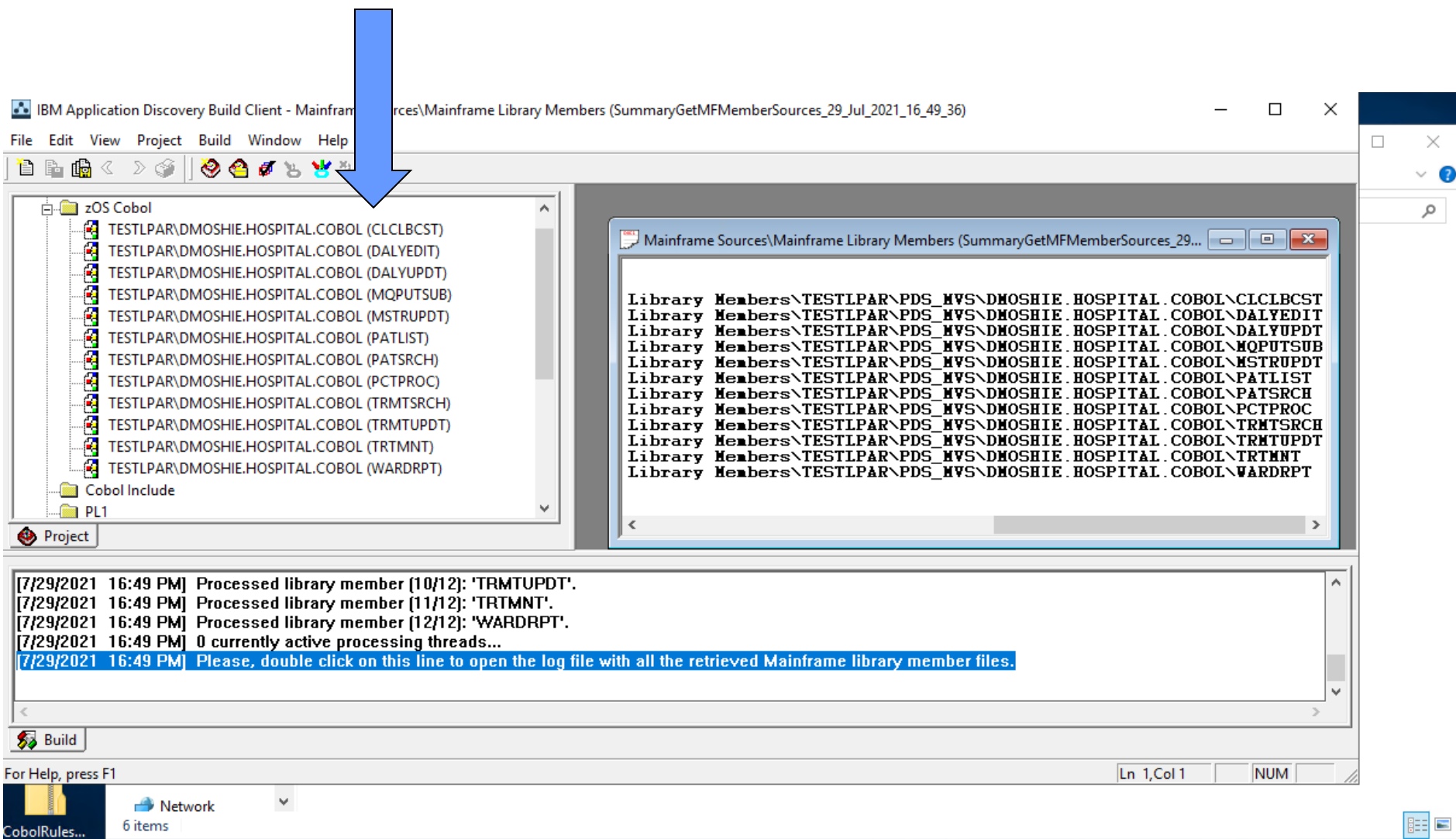
The screenshot shows a Windows File Explorer window titled "DMOSHIE.HOSPITAL.COBOL". The address bar displays the path: << IBM AD > Mainframe Sources > Mainframe Library Members > TESTLPAR > PDS_MVS > DMOSHIE.HOSPITAL.COBOL. The left sidebar shows the "Quick access" pane with "Local Disk (C:)" selected. The main pane displays a list of files with columns for Name, Date modified, Type, and Size. All files were modified on 7/29/2021 at 4:49 PM and are of type "File".

Name	Date modified	Type	Size
CLCLBCST	7/29/2021 4:49 PM	File	6 KB
DALYEDIT	7/29/2021 4:49 PM	File	58 KB
DALYUPDT	7/29/2021 4:49 PM	File	31 KB
MQPUTSUB	7/29/2021 4:49 PM	File	49 KB
MSTRUPDT	7/29/2021 4:49 PM	File	56 KB
PATLIST	7/29/2021 4:49 PM	File	78 KB
PATSRCH	7/29/2021 4:49 PM	File	33 KB
PCTPROC	7/29/2021 4:49 PM	File	6 KB
TRMTSRCH	7/29/2021 4:49 PM	File	34 KB
TRMTUPDT	7/29/2021 4:49 PM	File	35 KB
TRTMNT	7/29/2021 4:49 PM	File	64 KB
WARDRPT	7/29/2021 4:49 PM	File	70 KB

SHARED FOLDERS CREATED AT INSTALLATION TIME



SOURCE FILES PLACED IN VIRTUAL FOLDER



The screenshot displays the IBM Application Discovery Build Client interface. A large blue arrow points to the 'z/OS Cobol' folder in the left-hand project tree. The main window shows a list of source files under the path 'Mainframe Sources\Mainframe Library Members (SummaryGetMFMMemberSources_29_Jul_2021_16_49_36)'. The files are listed as follows:

- TESTLPAR\DMOSHIE.HOSPITAL.COBOL (CLCLBCST)
- TESTLPAR\DMOSHIE.HOSPITAL.COBOL (DALYEDIT)
- TESTLPAR\DMOSHIE.HOSPITAL.COBOL (DALYUPDT)
- TESTLPAR\DMOSHIE.HOSPITAL.COBOL (MQPUTSUB)
- TESTLPAR\DMOSHIE.HOSPITAL.COBOL (MSTRUPDT)
- TESTLPAR\DMOSHIE.HOSPITAL.COBOL (PATLIST)
- TESTLPAR\DMOSHIE.HOSPITAL.COBOL (PATSRCH)
- TESTLPAR\DMOSHIE.HOSPITAL.COBOL (PCTPROC)
- TESTLPAR\DMOSHIE.HOSPITAL.COBOL (TRMTSRCH)
- TESTLPAR\DMOSHIE.HOSPITAL.COBOL (TRMTUPDT)
- TESTLPAR\DMOSHIE.HOSPITAL.COBOL (TRTMNT)
- TESTLPAR\DMOSHIE.HOSPITAL.COBOL (WARDRPT)

The bottom status bar indicates the following log messages:

- [7/29/2021 16:49 PM] Processed library member [10/12]: 'TRMTUPDT'.
- [7/29/2021 16:49 PM] Processed library member [11/12]: 'TRTMNT'.
- [7/29/2021 16:49 PM] Processed library member [12/12]: 'WARDRPT'.
- [7/29/2021 16:49 PM] 0 currently active processing threads...
- [7/29/2021 16:49 PM] Please, double click on this line to open the log file with all the retrieved Mainframe library member files.

The interface also shows a 'Build' button and a status bar at the bottom with 'Ln 1, Col 1' and 'NUM'.

PROJECT INGESTING COBOL, COPYBOOK, JCL

The screenshot displays the IBM Application Discovery Build Client interface. The main window title is "IBM Application Discovery Build Client - Mainframe Sources\Mainframe Library Members (SummaryGetMFMMemberSources_29_Jul_2021_16_49_36)". The interface includes a menu bar (File, Edit, View, Project, Build, Window, Help) and a toolbar with various icons.

On the left, a tree view shows the project structure under "CICSDB2APP". The "JCL" folder is highlighted with a blue arrow. Other folders include "zOS Cobol", "Cobol Include", "PL1", "PL1 Include", "BMS", "JCL Include", "JCL Control files", "JCL Procs", "AAuto Scheduling", "MQ", "Configuration", and "ControlIM".

On the right, a window titled "Mainframe Sources\Mainframe Library Members (SummaryGetMFMMemberSources_29..." displays a list of library members:

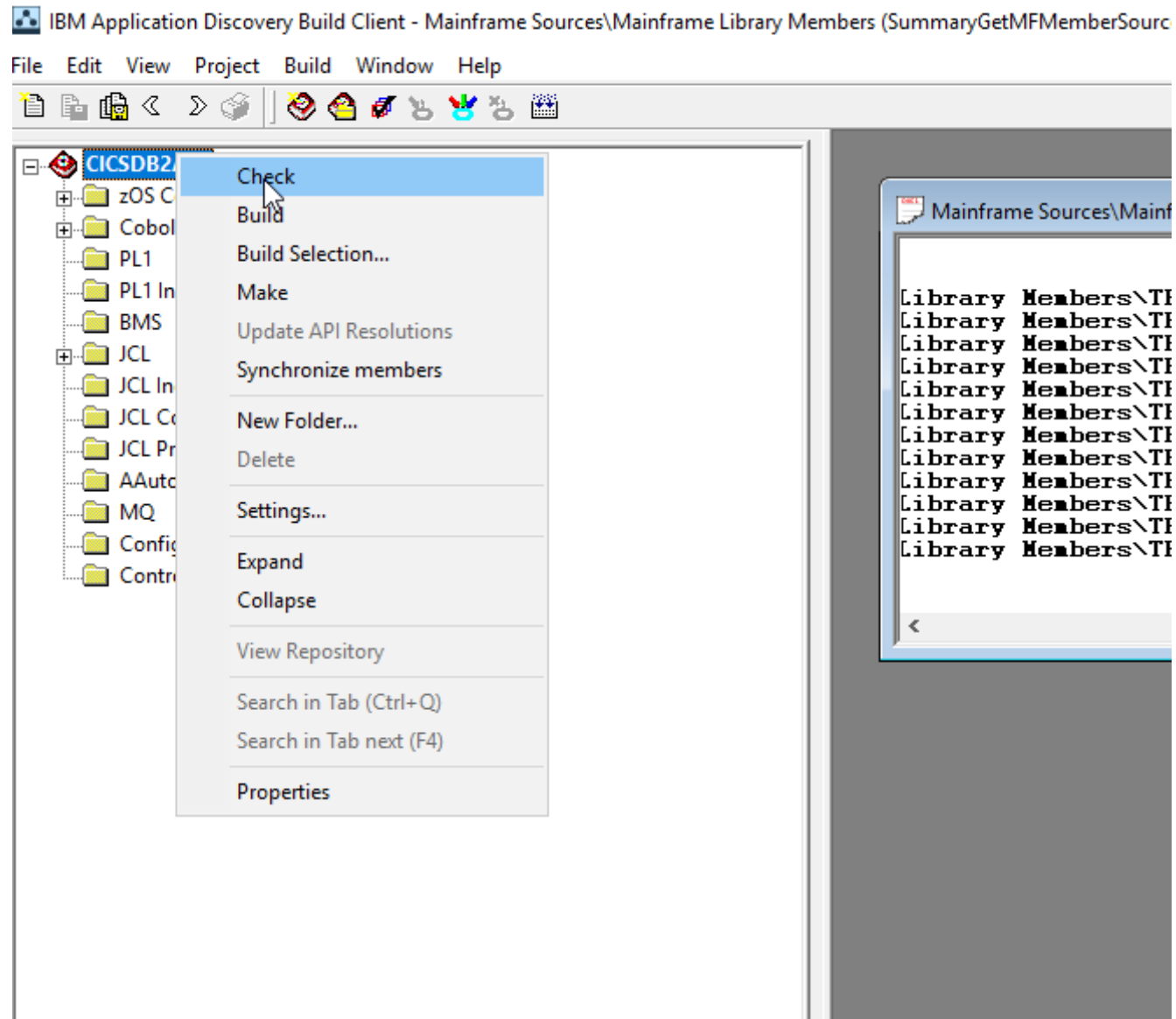
```
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\CLCLBCST
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\DALYEDIT
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\DALYUPDT
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\MQPUTSUB
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\MSTRUPDT
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\PATLIST
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\PATSRCH
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\PCTPROC
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\TRMTSRCH
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\TRMTUPDT
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\TRTMNT
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBOL\WARDRPT
```

At the bottom, a log window shows the following messages:

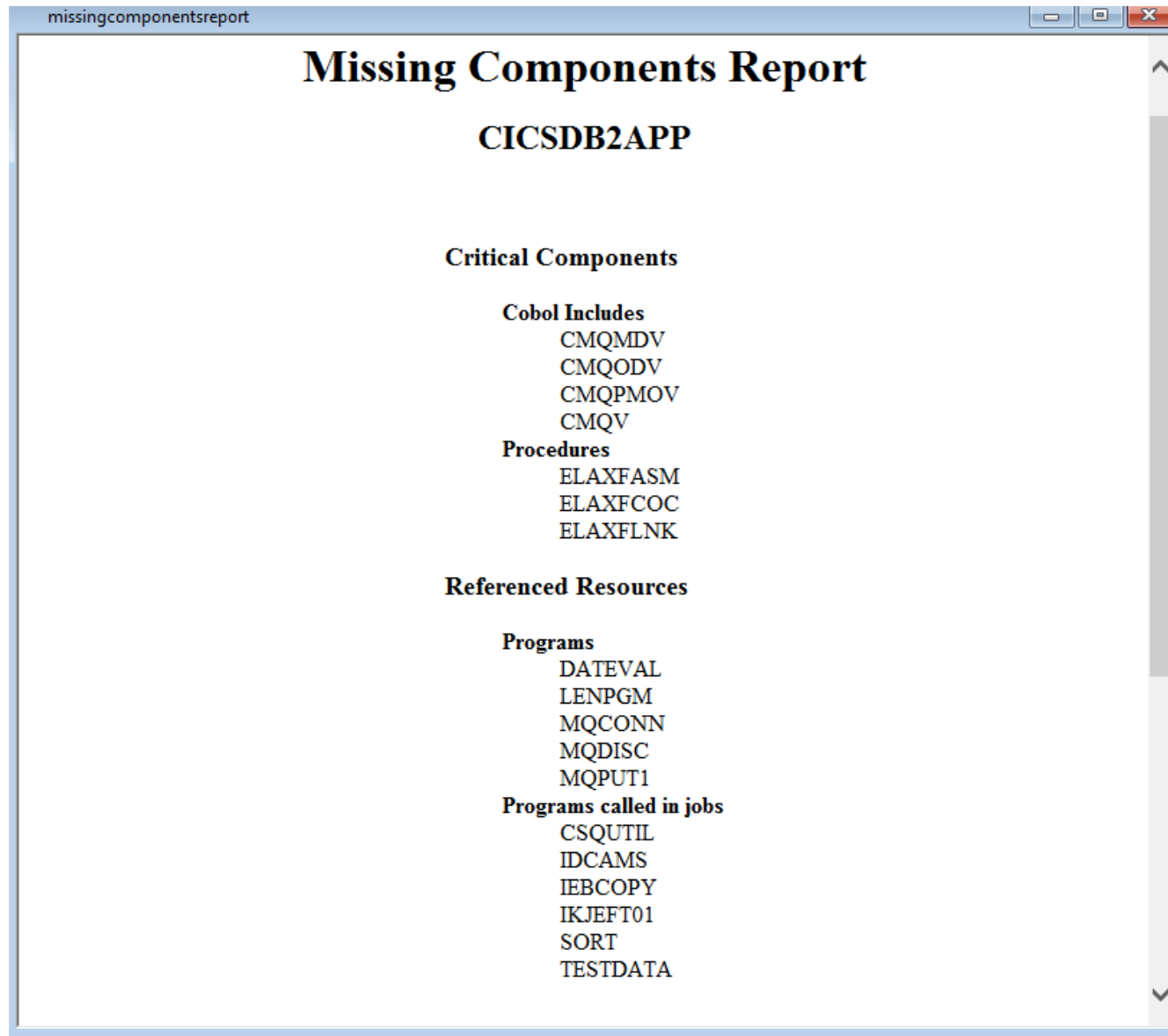
```
[7/29/2021 17:38 PM] Processed library member (10/12): 'RBSETUP'.
[7/29/2021 17:38 PM] Processed library member (11/12): 'REBUILDQ'.
[7/29/2021 17:38 PM] Processed library member (12/12): 'TESTFILE'.
[7/29/2021 17:38 PM] 0 currently active processing threads...
[7/29/2021 17:38 PM] Please, double click on this line to open the log file with all the retrieved Mainframe library member files.
```

The status bar at the bottom indicates "For Help, press F1" and "Ln 1, Col 1 NUM".

BUILD CHECKLIST MISSING COMPONENTS



MISSING COMPONENT LISTING



BUILD PROJECT

IBM Application Discovery Build Client - Mainframe Sources\Mainframe Library Members (SummaryGetMFMMemberSources_29_Jul_2021_16_49_36)

File Edit View Project Build Window Help

zOS Co
Cobol I
PL1
PL1 Inc
BMS
JCL
JCL Inc
JCL Co
JCL Pro
AAuto
MQ
Config
Contro

Check
Build
Build Selection...
Make
Update API Resolutions
Synchronize members
New Folder...
Delete
Settings...
Expand
Collapse
View Repository
Search in Tab (Ctrl+Q)
Search in Tab next (F4)
Properties

Project

Mainframe Sources\Mainframe Library Members (SummaryGetMFMMemberSources_29...

```
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBO\CICLCBCST
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBO\DALYEDIT
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBO\DALYUPDT
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBO\MQPUTSUB
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBO\MSTRUPDT
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBO\PATLIST
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBO\PATSRCH
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBO\PCTPROC
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBO\TRMTSRCH
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBO\TRMTUPDT
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBO\TRTMNT
Library Members\TESTLPAR\PDS_MVS\DMOSHIE.HOSPITAL.COBO\WARDRPT
```

[7/29/2021 17:30] er (10/12): 'RBSETUP'.
[7/29/2021 17:30] er (11/12): 'REBUILDQ'.
[7/29/2021 17:30] er (12/12): 'TESTFILE'.
[7/29/2021 17:30] sing threads...
[7/29/2021 17:30] Please, double click on this line to open the log file with all the retrieved Mainframe library member files.

Build

For Help, press F1

Ln 1, Col 1 NUM

BUILD CONFIGURATOR: CICS CSD INPUT TO AD PROJECT

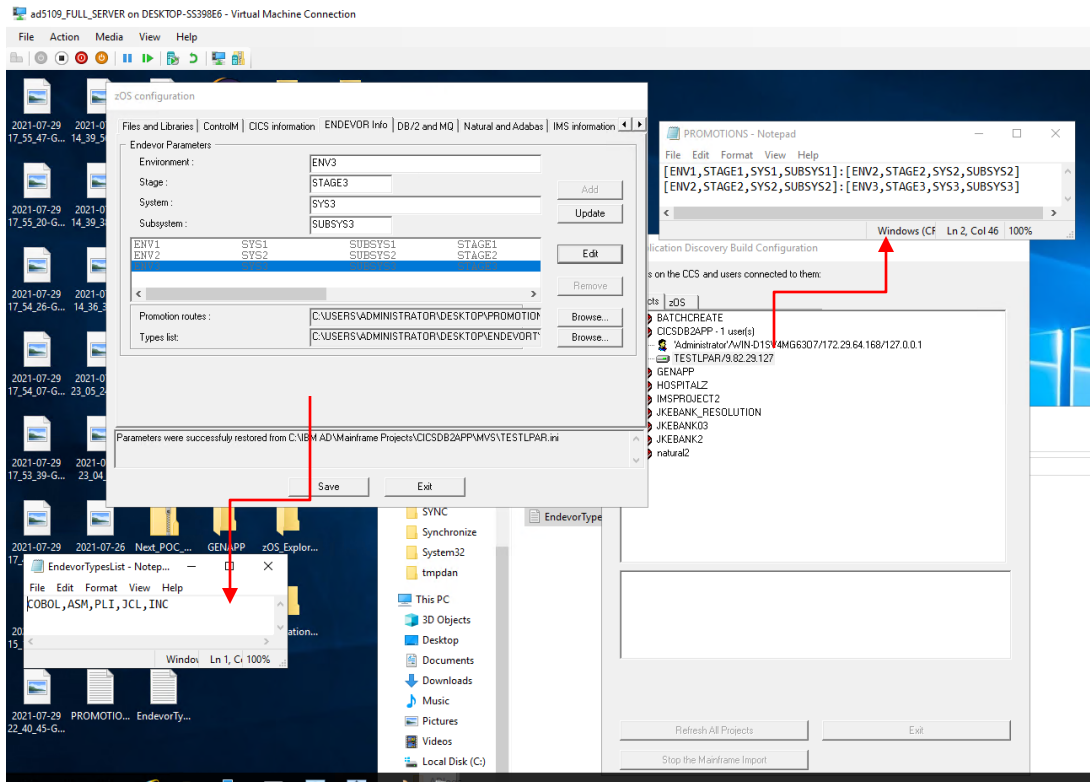
**BATCH JOB CICSJOB IS RUN WITH SYS2.CICS.DFHCSD AS INPUT CSD DATASET,
ISSUING DFHCSD COMMAND
LIST LIST(APPICIS)**

**LIST OUTPUT IS TRANSFERRED FROM JES SPOOL TO APPLICATION DISCOVERY AND
SQL DATABASE IS UPDATED WITH CICS RELATED TABLES**

The screenshot shows a 'zOS configuration' window with several tabs: 'Files and Libraries', 'ControlM', 'CICS information', 'ENDEVOR Info', 'DB/2 and MQ', 'Natural and Adabas', and 'IMS information'. The 'CICS information' tab is selected. Under the 'CICS Parameters' section, there are three input fields: 'CICS Job name' with the value 'CICSJOB', 'CICS DFHCSD file' with the value 'SYS2.CICS.DFHCSD', and 'List names (separated by coma)' with the value 'APPCICS'. To the right of these fields are 'Add' and 'Update' buttons. Below the input fields is a list box containing one entry: 'SYS.DFHCSD (APPCICS)'. To the right of the list box are 'Edit' and 'Remove' buttons. At the bottom of the window, a status bar displays the message: 'Parameters were successfully restored from C:\IBM AD\Mainframe Projects\CICSDB2APP\MVS\TESTLPAR.ini'.

- DCLGEN MUST BE INCLUDED AS INPUT TO COBOL AND PLI
- IF DCLGENs ARE NOT PART OF COBOL SOURCE CODE THEN ALL DCLGENs CAN BE CONSOLIDATED INTO A SINGLE PDS MEMBER, NAMING THAT MEMBER “AAAAA” SO THAT ON A BUILD, IT IS PARSED ALPHABETICALLY FIRST.

ENDEVOR CONFIGURATION



- **ADMINISTRATOR PROVIDES ENVIRONMENT,STAGE,SYSTEM, SUBSYSTEM SETS AS INPUT**
- **THERE IS A TYPES FILE THAT SPECIFY THE “ENDEVOR TYPES” THAT ARE INPUT TO APPLICATION DISCOVERY PROJECT**
- **THERE IS A PROMOTION FILE THAT IF APPLICATION THAT CAN DESCRIBE PROGRESSION OF SOURCE CODE WITHIN ENDEVOR**


SYNCHRONIZATION

- Synchronization process is where we acquire the most recent sources from ENDEVOR or regular Partitioned Datasets on the mainframe using a synchronization file and update the mainframe sources that are placed in the Application Discovery mainframe source directory (windows).
- Synchronization is done via running the line mode BUILD CLIENT with specific syntax

Synchronization Command Syntax:

IBMApplicationBuildClient /umm1 IAV1_APP_DVS

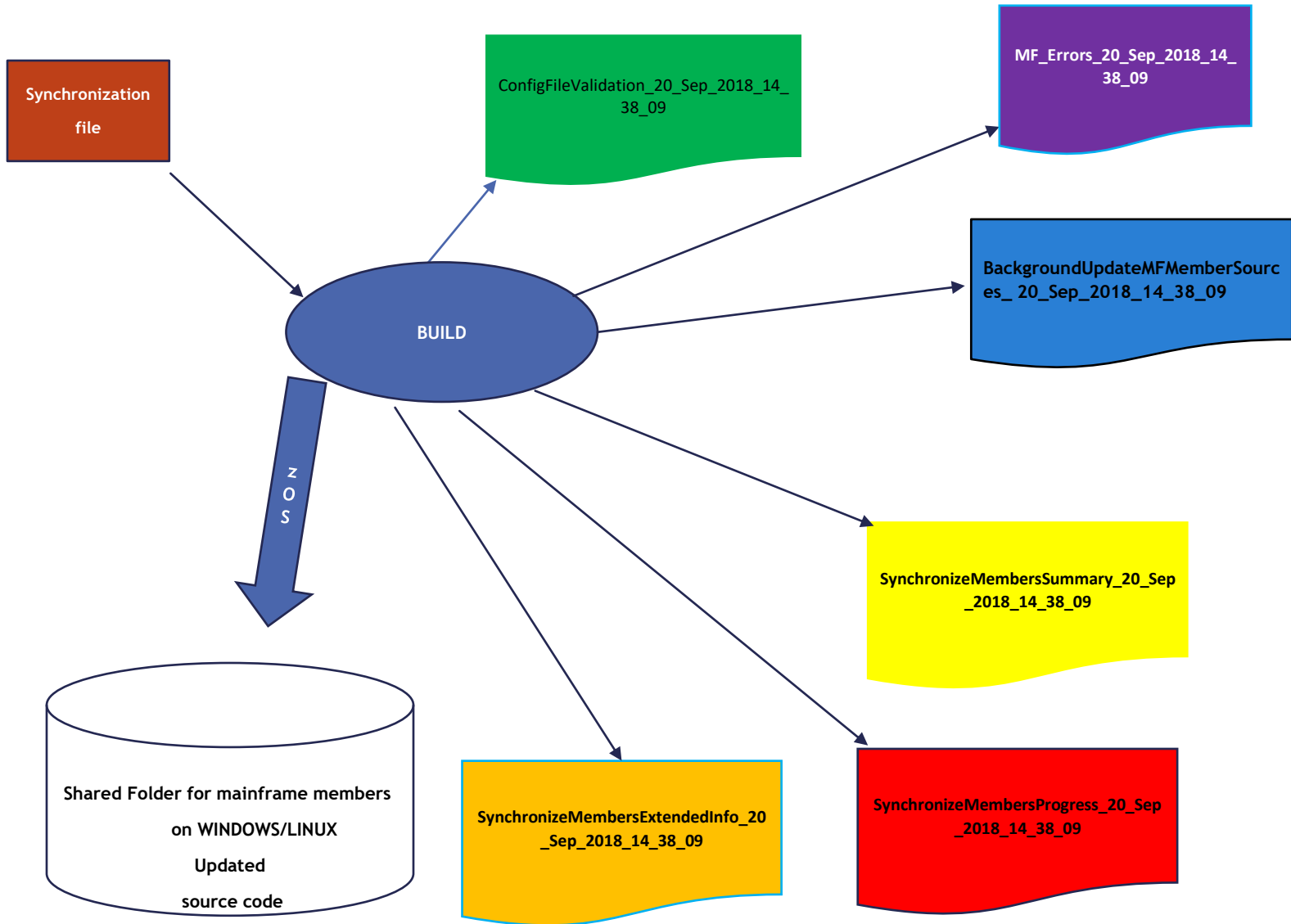
Specified Project Name: IAV1_APP_DVS



```
Directory of D:\Program Files\IBM Application Discovery and Delivery Intelligence\IBM Application Discovery Build Client\Bin\Release
06/08/2018  11:14 AM           17,124,864 IBMApplicationDiscoveryBuildClient.exe
06/08/2018  11:18 AM           7,361,024 IBMApplicationDiscoveryBuildConfiguration.exe
               2 File(s)      24,485,888 bytes
               0 Dir(s)  2,611,955,965,952 bytes free

D:\Program Files\IBM Application Discovery and Delivery Intelligence\IBM Application Discovery Build Client\Bin\Release>
D:\Program Files\IBM Application Discovery and Delivery Intelligence\IBM Application Discovery Build Client\Bin\Release>
IBMApplicationDiscoveryBuildClient /m1 IAV1_APP_DVS /m2 y /m3
D:\Program Files\IBM Application Discovery and Delivery Intelligence\IBM Application Discovery Build Client\Bin\ReleaseI
BMApplicationDiscoveryBuildClient /m1 IAV1_APP_DVS /m2 y /m3 y
D:\Program Files\IBM Application Discovery and Delivery Intelligence\IBM Application Discovery Build Client\Bin\ReleaseI
BMApplicationDiscoveryBuildClient /m1 IAV1_APP_DVS /?
D:\Program Files\IBM Application Discovery and Delivery Intelligence\IBM Application Discovery Build Client\Bin\ReleaseI
BMApplicationDiscoveryBuildClient /umm1 IAV1_APP_DVS
```

SYNCHRONIZATION PROCESS AND FILES



SYNCHRONIZATION file

This is a sample for TEST_Synchronize_DVS.txt file as a synchronization file:

```
IAV1_APP_DVS,Endevor,PROD.DVS.DVS.COBOL.P,zOS Cobol,COBOL_MVS,IAV1_APP_DVS
IAV1_APP_DVS,Endevor,PROD.DVS.DVS.COPY.P,Cobol Include,COPY,IAV1_APP_DVS
IAV1_APP_DVS,PDS(MVS),PMIS01.MROH.CTLCDPDS,JCL Control files,JCL_CTRL,IAV1_APP_DV
*****END OF FILE*****
```

The syntax of this file is described in the AD USERS GUIDE manual.

Each logical line is a 6 tuple

1. PROJECT NAME,
2. how the source is accessed: either Endevor or PDS,
3. the zOS source partitioned datasetname or ENDEVOR: [ENVIRONMENT.STAGE.SYSTEM.SUBSYSTEM](#),
4. the directory Folder Name in the Project virtual folder,
5. the type of file (the encoded file type that is documented in APPLICATION USERS MANUAL),
6. the ini file used by z/OS in the BUILD CONFIGURATOR to access the source code on z/OS.

SYNCHRONIZATION FILE: MULTIPLE PROJECTS ARE SUPPORTED BY A SINGLE SYNCHRONIZATION FILE

IAV1_SHARED_INCLUDES,PDS(MVS),SEDV01.PROD.COMMON.PROCLIB,JCL Procs,JCL_PROCLIB,,IAV1_SHARED_INCLUDES

IAV1_SHARED_INCLUDES,PDS(MVS),SEDV01.PROD.SS.PROCLIB,JCL Procs,JCL_PROCLIB,,IAV1_SHARED_INCLUDES

IAV1_SHARED_INCLUDES,PDS(MVS),BNCS.CTLCARDS,JCL Control files,JCL_CTRL,IAV1_SHARED_INCLUDES

IAV1_SHARED_INCLUDES,PDS(MVS),PEDV01.PROD.ASP.CARDLIB,JCL Control files,JCL_CTRL,IAV1_SHARED_INCLUDES

IAV1_SHARED_INCLUDES,PDS(MVS),PESP01.ESP.CTLCDPDS,JCL Control files,JCL_CTRL,IAV1_SHARED_INCLUDES

IAV1_SHARED_INCLUDES,PDS(MVS),PEDV01.PROD.ASP.COPYLIB,Cobol Include,COPY,IAV1_SHARED_INCLUDES

IAV1_SHARED_INCLUDES,PDS(MVS),PEDV01.PROD.COMMON.COPYLIB,Cobol Include,COPY,IAV1_SHARED_INCLUDES

IAV1_SHARED_INCLUDES,PDS(MVS),PEDV01.QA.COMMON.COPYLIB,Cobol Include,COPY,IAV1_SHARED_INCLUDES

IAV1_SHARED_INCLUDES,PDS(MVS),XCIC11.CICS.APPLV510.SDFHCOB,Cobol Include,COPY,IAV1_SHARED_INCLUDES

IAV1_SHARED_INCLUDES,PDS(MVS),XMQS11.SCSQCOCB,Cobol Include,COPY,IAV1_SHARED_INCLUDES

IAV1_APP_GSP,PDS(MVS),PESP01.ESP.JCLLIB,JCL,JCL,IAV1_APP_GSP

IAV1_APP_GSP,PDS(MVS),PEDV01.PROD.GSP.CARDLIB,JCL Control files,JCL_CTRL,IAV1_APP_GSP

IAV1_APP_GSP,PDS(MVS),PMIS01.MPTJ.CTLCDPDS,JCL Control files,JCL_CTRL,IAV1_APP_GSP

IAV1_APP_GSP,Endevor,PROD.GSP.GSP.COBOLE.P,zOS Cobol,COBOL_MVS,IAV1_APP_GSP

IAV1_APP_GSP,Endevor,PROD.GSP.GSP.COPY.P,Cobol Include,COPY,IAV1_APP_GSP

IAV1_APP_GSP,Endevor,PROD.GSP.GSP.MAP.P,BMS,BMS,IAV1_APP_GSP

IAV1_APP_GSP,Endevor,PROD.GSP.GSP.ASSEM.P,Assembler,ASSEMBLER,IAV1_APP_GSP

IAV1_APP_GSP,Endevor,PROD.GSP.GSP.MACRO.P,Assembler Macro,ASM_MACRO,IAV1_APP_GSP

TEST_IAD_PROJECT,Endevor,TEST.GSP.GSP.COBOLE.D,zOS Cobol,COBOL_MVS,TEST_IAD_PROJECT

TEST_IAD_PROJECT,PDS(MVS),XGSP01.XSYS.RETRIEVE,zOS Cobol,COBOL_MVS,TEST_IAD_PROJECT

APPLICATION DISCOVERY DASHBOARD: BUILD CLIENT INSTALL SYNCHRONIZATION FILE SPECIFICATION

IBM Application Discovery

Dashboard Configure Monitor Audit

Install configurations /

IBM Application Discovery Build Client install configuration

Default projects path

C:\IBM AD\Mainframe Projects\

zOS configuration folder

C:\IBM AD\zOS Configurations\

Path for the retrieved members

C:\IBM AD\Mainframe Sources\

☒ Enable members synchronization

Path for members synchronization configuration file

C:\IBM AD\Sync.txt

☐ Enable communication logging

☐ Keep communication buffers

Save

Checking the status of Synchronization:

Review the following files located in the Shared Project folder under the Synchronize Folder:

- **SynchronizeMembersProgress_timestamp.txt** : Get a quick snapshot of status of activities ie. Success or Failure.
- **SynchronizeMembersSummary_timestamp.txt**: See which files are updated, added, deleted
- **SynchronizeMembersExtendedInfo_timestamp.txt**: Combines ConfigFileValidation and BackgroundUpdateMFMemberSources files
- **ConfigFileValidation_timestamp.txt** Verify that the Synchronization File is syntactically correct

Review the following file located in Shared Project folder under \MVS\logs

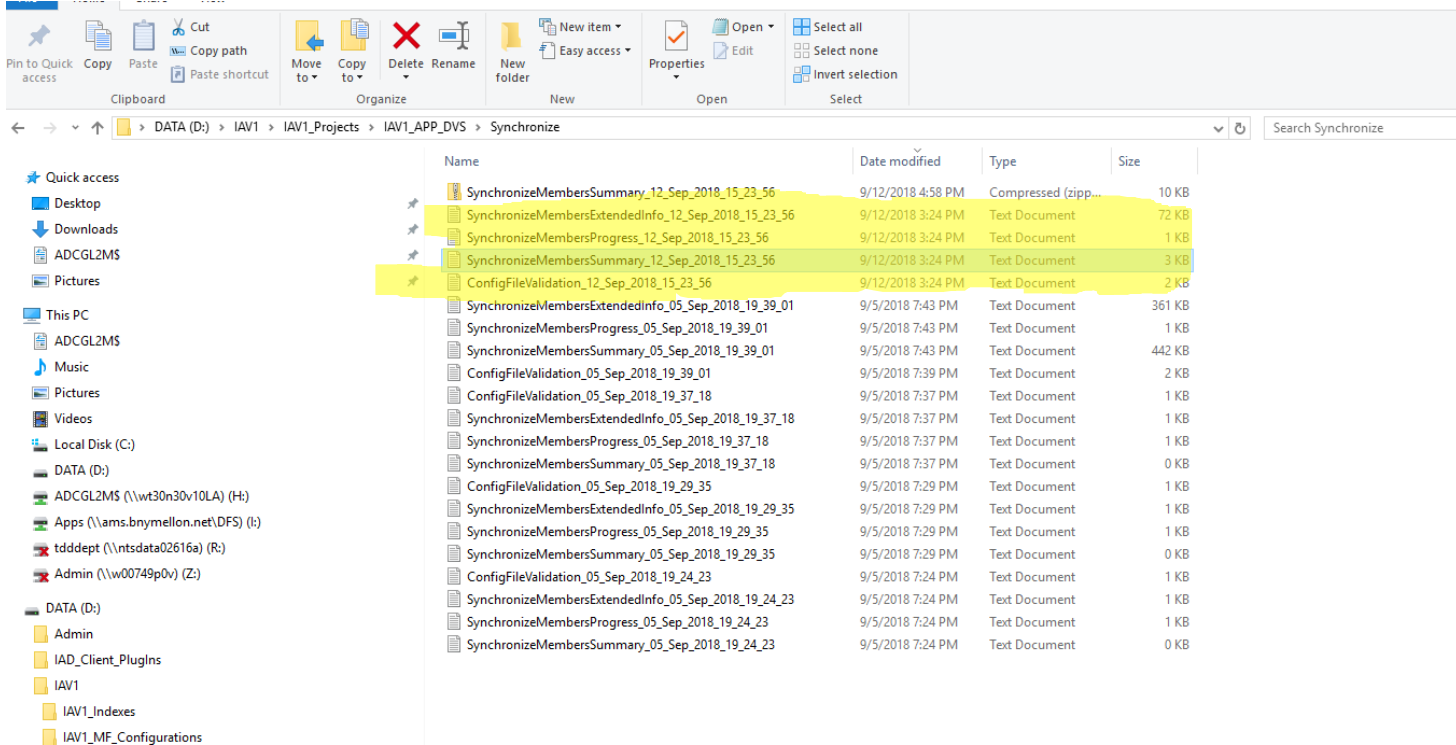
- **MF_Errors_timestamp.txt** LIST OUT ERRORS IN Mainframe processing typically ENDEVOR

Review the following file located in the Shared Sources folder under Mainframe Library Members:

- **BackgroundUpdateMFMemberSources_timestamp.txt**: *scan of library members*

Synchronize Output Files:

located in Synchronization folder in Project Directory



SynchronizeMembersSummary:

Listing which members were updated, deleted, added

Location in Shared Projects Folder\Projectname\Synchronized folder

SynchronizeMembersSummary_12_Sep_2018_15_23_56 - Notepad


File Edit Format View Help

MVS Connection : IAV1_APP_DVS

```
[9/12/2018 15:24 PM] Updated : \\W00749P0V\IAV1_Source\Mainframe Library Members\IAV1_APP_DVS\PDS_MVS\PMIS01.MROH.CTLCDPDS\ASN90AD1
[9/12/2018 15:24 PM] Updated : \\W00749P0V\IAV1_Source\Mainframe Library Members\IAV1_APP_DVS\PDS_MVS\PMIS01.MROH.CTLCDPDS\ASP90BAP
[9/12/2018 15:24 PM] Updated : \\W00749P0V\IAV1_Source\Mainframe Library Members\IAV1_APP_DVS\PDS_MVS\PMIS01.MROH.CTLCDPDS\ASP90BUX
[9/12/2018 15:24 PM] Updated : \\W00749P0V\IAV1_Source\Mainframe Library Members\IAV1_APP_DVS\PDS_MVS\PMIS01.MROH.CTLCDPDS\ASP90BY2
[9/12/2018 15:24 PM] Updated : \\W00749P0V\IAV1_Source\Mainframe Library Members\IAV1_APP_DVS\PDS_MVS\PMIS01.MROH.CTLCDPDS\ASP90DE1
[9/12/2018 15:24 PM] Updated : \\W00749P0V\IAV1_Source\Mainframe Library Members\IAV1_APP_DVS\PDS_MVS\PMIS01.MROH.CTLCDPDS\ASPB09X
[9/12/2018 15:24 PM] Updated : \\W00749P0V\IAV1_Source\Mainframe Library Members\IAV1_APP_DVS\PDS_MVS\PMIS01.MROH.CTLCDPDS\ASPH09X
[9/12/2018 15:24 PM] Updated : \\W00749P0V\IAV1_Source\Mainframe Library Members\IAV1_APP_DVS\PDS_MVS\PMIS01.MROH.CTLCDPDS\ASPX317X
[9/12/2018 15:24 PM] Updated : \\W00749P0V\IAV1_Source\Mainframe Library Members\IAV1_APP_DVS\PDS_MVS\PMIS01.MROH.CTLCDPDS\SCBD0CX
[9/12/2018 15:24 PM] Updated : \\W00749P0V\IAV1_Source\Mainframe Library Members\IAV1_APP_DVS\PDS_MVS\PMIS01.MROH.CTLCDPDS\SCBD0DL
[9/12/2018 15:24 PM] Updated : \\W00749P0V\IAV1_Source\Mainframe Library Members\IAV1_APP_DVS\PDS_MVS\PMIS01.MROH.CTLCDPDS\SCBD0RI
[9/12/2018 15:24 PM] Updated : \\W00749P0V\IAV1_Source\Mainframe Library Members\IAV1_APP_DVS\PDS_MVS\PMIS01.MROH.CTLCDPDS\SCBD0LRC
[9/12/2018 15:24 PM] Updated : \\W00749P0V\IAV1_Source\Mainframe Library Members\IAV1_APP_DVS\PDS_MVS\PMIS01.MROH.CTLCDPDS\XCBD0TX
[9/12/2018 15:24 PM] Updated : \\W00749P0V\IAV1_Source\Mainframe Library Members\IAV1_APP_DVS\PDS_MVS\PMIS01.MROH.CTLCDPDS\XCBD0MF5
[9/12/2018 15:24 PM] Updated : \\W00749P0V\IAV1_Source\Mainframe Library Members\IAV1_APP_DVS\PDS_MVS\PMIS01.MROH.CTLCDPDS\XSP90702
[9/12/2018 15:24 PM] Updated : \\W00749P0V\IAV1_Source\Mainframe Library Members\IAV1_APP_DVS\PDS_MVS\PMIS01.MROH.CTLCDPDS\XSPAB0I1
[9/12/2018 15:24 PM] Updated : \\W00749P0V\IAV1_Source\Mainframe Library Members\IAV1_APP_DVS\PDS_MVS\PMIS01.MROH.CTLCDPDS\XSPAC21X
```

Synchronization Members Progress: Determine Success/Failure

location in Shared Projects folder\Projectname\Synchronize folder

 SynchronizeMembersProgress_12_Sep_2018_15_23_56 - Notepad

File Edit Format View Help

[9/12/2018 15:24 PM]

=====
Members Synchronization Progress...
=====

[9/12/2018 15:24 PM] Parsing the configuration file...
[9/12/2018 15:24 PM] Validating the configuration file...
[9/12/2018 15:24 PM] Scanning libraries...
[9/12/2018 15:24 PM] Computing deltas...
[9/12/2018 15:24 PM] Updating members...
[9/12/2018 15:24 PM] No file to add to/remove from the project...
[9/12/2018 15:24 PM] Nothing to remove from the database...
[9/12/2018 15:24 PM] Process completed !

Process
Complete

Synchronization Members Extended:

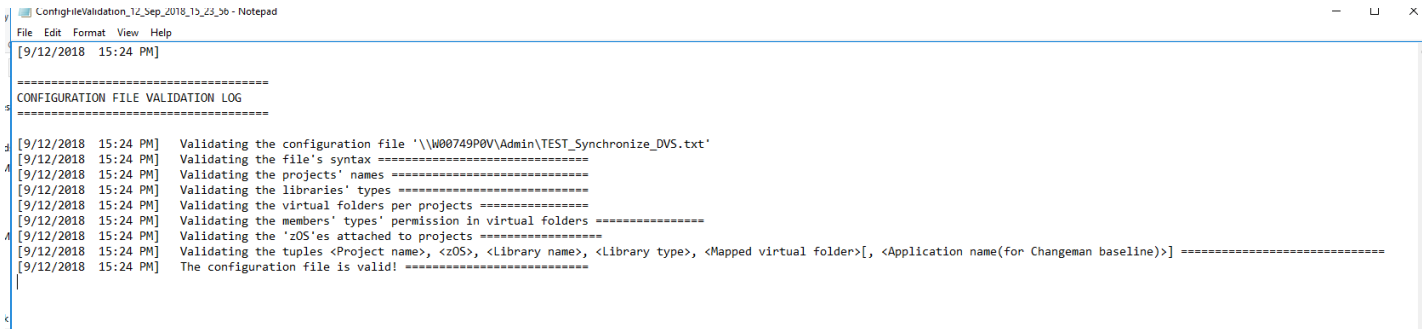
combines config file validation and BackgroundUpdateMFMember Sources

location in Shared Projects Folder\Projectname\Synchronization folder

```
SynchronizeMembersExtendedInfo_12_Sep_2018_15_23_56 - Notepad
File Edit Format View Help
[9/12/2018 15:24 PM]
=====
CONFIGURATION FILE VALIDATION LOG
=====
[9/12/2018 15:24 PM] Validating the configuration file '\\W00749P0V\Admin\TEST_Synchronize_DVS.txt'
[9/12/2018 15:24 PM] Validating the file's syntax =====
[9/12/2018 15:24 PM] Validating the projects' names =====
[9/12/2018 15:24 PM] Validating the libraries' types =====
[9/12/2018 15:24 PM] Validating the virtual folders per projects =====
[9/12/2018 15:24 PM] Validating the members' types' permission in virtual folders =====
[9/12/2018 15:24 PM] Validating the 'zOS'es attached to projects =====
[9/12/2018 15:24 PM] Validating the tuples <Project name>, <zOS>, <Library name>, <Library type>, <Mapped virtual folder>[, <Application name(for Changeman baseline)>] -----
[9/12/2018 15:24 PM] The configuration file is valid! =====
=====
[9/12/2018 15:24 PM] =====
[9/12/2018 15:24 PM] Retrieving 'Endevor' data (task 1 out of 1) ...
[9/12/2018 15:24 PM] Init conversation for task 'Endevor'.
[9/12/2018 15:24 PM] Send request to server.
[9/12/2018 15:24 PM] Response from server received.
[9/12/2018 15:24 PM] End conversation and start processing for task : 'Endevor'.
[9/12/2018 15:24 PM] -----
[9/12/2018 15:24 PM] Processing 'Endevor' data (task 1 out of 1) ...
[9/12/2018 15:24 PM] Processing ENDEVOR libraries:
[9/12/2018 15:24 PM] PROD.DVS.DVS.COBOL.P
[9/12/2018 15:24 PM] PROD.DVS.DVS.COPY.P
[9/12/2018 15:24 PM] Processing Library Members:
[9/12/2018 15:24 PM] SCBEBLK
[9/12/2018 15:24 PM] SCBEDTFS
[9/12/2018 15:24 PM] SCBEFIF
[9/12/2018 15:24 PM] SCBEGK1A
[9/12/2018 15:24 PM] SCBEGK1B
[9/12/2018 15:24 PM] SCBENDMA
[9/12/2018 15:24 PM] SCBENDMB
```

Configuration File Validation Log: verifies that Config parses

location in Shared Projects Folder\Projectname\Synchronization folder



The screenshot shows a Notepad window titled "ConfigFileValidation_12_Sep_2018_15_24_36 - Notepad". The menu bar includes "File", "Edit", "Format", "View", and "Help". The text content is a log of configuration file validation steps performed on 9/12/2018 at 15:24 PM. The log starts with a timestamp, followed by a separator line of equals signs and the title "CONFIGURATION FILE VALIDATION LOG". The log then lists several validation steps, each with a timestamp and a description. The steps include validating the configuration file path, syntax, project names, library types, virtual folders per project, members' types' permission in virtual folders, 'zOS'es attached to projects, and tuples containing project name, zOS, library name, library type, mapped virtual folder, and application name for Changeman baseline. The log concludes with a confirmation that the configuration file is valid.

```
[9/12/2018 15:24 PM]
=====
CONFIGURATION FILE VALIDATION LOG
=====
[9/12/2018 15:24 PM] Validating the configuration file '\\W00749P0V\Admin\TEST_Synchronize_DVS.txt'
[9/12/2018 15:24 PM] Validating the file's syntax =====
[9/12/2018 15:24 PM] Validating the projects' names =====
[9/12/2018 15:24 PM] Validating the libraries' types =====
[9/12/2018 15:24 PM] Validating the virtual folders per projects =====
[9/12/2018 15:24 PM] Validating the members' types' permission in virtual folders =====
[9/12/2018 15:24 PM] Validating the 'zOS'es attached to projects =====
[9/12/2018 15:24 PM] Validating the tuples <Project name>, <zOS>, <Library name>, <Library type>, <Mapped virtual folder>[, <Application name(for Changeman baseline)>] =====
[9/12/2018 15:24 PM] The configuration file is valid! =====
```

MF_Errors:

List out Mainframe Errors in accessing source code

Location in Shared Projects folder\Projectname\MVS\error

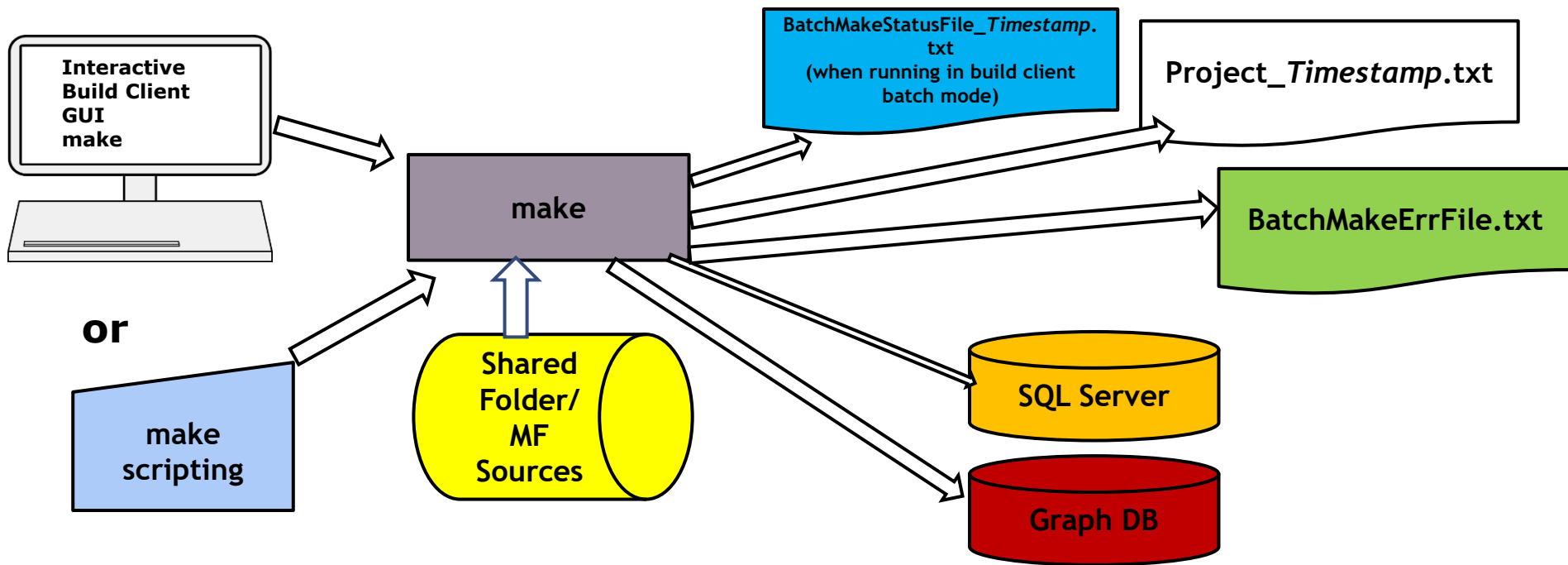
```
[8/28/2018 17:41 PM] =====
[8/28/2018 17:41 PM] Init conversation for task 'Endevor'.
[8/28/2018 17:41 PM] End conversation and start processing for task : 'Endevor'.
[8/28/2018 17:41 PM] =====
[8/28/2018 17:41 PM] Processing task: ENDEVOR
[8/28/2018 17:41 PM] MF Agent ( ZLG1030U ):
Agent/module IAYCONN : ERROR accessing:PROD      DVS      DVS      ASSEM      P      , ELEMENT not found
[8/28/2018 17:41 PM] MF Agent ( ZLG1030U ):
Agent/module IAYCONN : ERROR accessing:PROD      DVS      DVS      INCLASM      P      , ELEMENT not found
[8/28/2018 17:41 PM] MF Agent ( ZLG1030U ):
Agent/module IAYCONN : ERROR accessing:PROD      DVS      DVS      INCLDAT      P      , TYPE not found
[8/28/2018 17:41 PM] MF Agent ( ZLG1030U ):
Agent/module IAYCONN : ERROR accessing:PROD      DVS      DVS      INCLUDE      P      , ELEMENT not found
[8/28/2018 17:42 PM] MF Agent ( ZLG1030U ):
Agent/module IAYCONN : ERROR accessing:PROD      DVS      DVS      MACRO      P      , ELEMENT not found
[8/28/2018 17:42 PM] End task: ENDEVOR
```

BackgroundUpdateMFMemberSources: a log of retrieval of sources from zOS

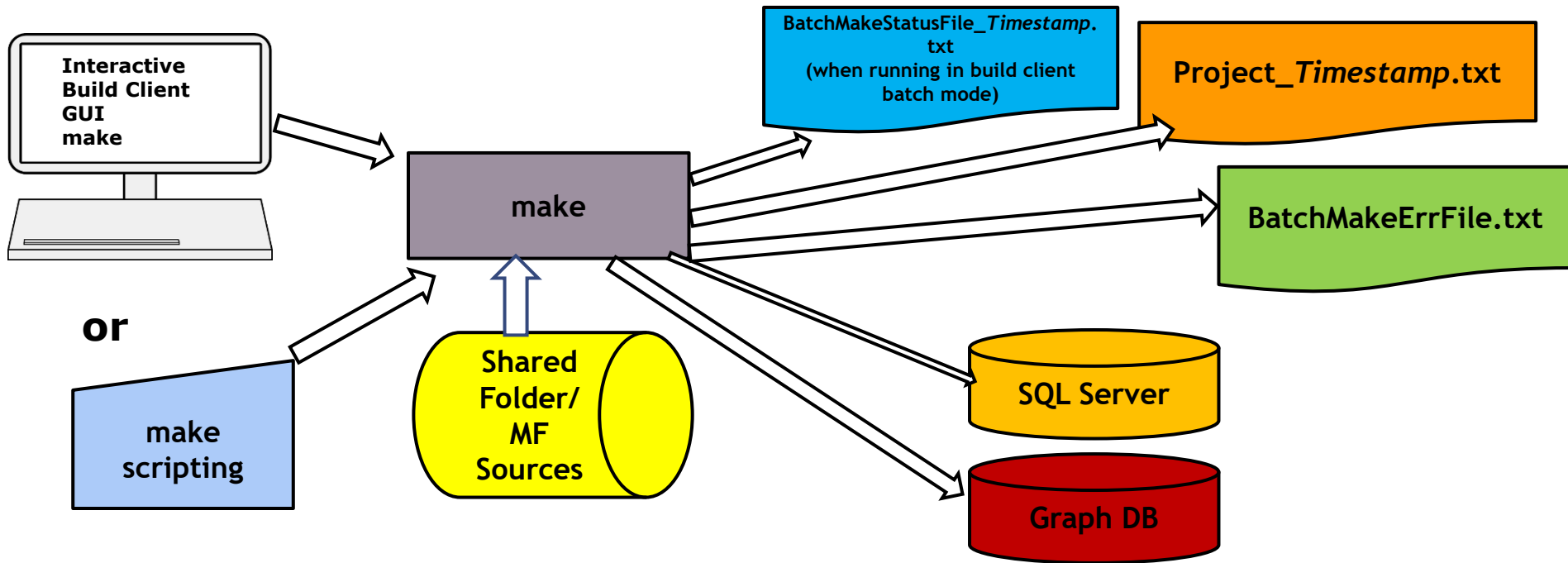
Location in Shared Sources Folder\Mainframe Library Members

```
BackgroundUpdateMFMemberSources - Notepad
File Edit Format View Help
[9/12/2018 15:24 PM] Updating Mainframe library member files...
[9/12/2018 15:24 PM] 'IAVL_APP_DWS' : The Endeavor promotion routes file was not specified, members would be updated only from the specified Environment, Stage, System and Subsystem.
[9/12/2018 15:24 PM] Checking for update 276 member(s) by chunks of 100 from the RMS 'IAVL_APP_DWS'.
[9/12/2018 15:24 PM] Request sent to server...
[9/12/2018 15:24 PM] Data retrieved...
[9/12/2018 15:24 PM] 1 currently active processing threads...
[9/12/2018 15:24 PM] Processed library member (1): 'ASMP131'.
[9/12/2018 15:24 PM] Request sent to server...
[9/12/2018 15:24 PM] Processed library member (2): 'ASMP0001'.
[9/12/2018 15:24 PM] Processed library member (3): 'ASMP005X'.
[9/12/2018 15:24 PM] Data retrieved...
[9/12/2018 15:24 PM] 2 currently active processing threads...
[9/12/2018 15:24 PM] Processed library member (4): 'ASMP0008'.
[9/12/2018 15:24 PM] Processed library member (5): 'ASMP0031'.
[9/12/2018 15:24 PM] Processed library member (6): 'ASMP005A'.
[9/12/2018 15:24 PM] Processed library member (7): 'SCB00X'.
[9/12/2018 15:24 PM] Processed library member (8): 'ASPT009X'.
[9/12/2018 15:24 PM] Processed library member (9): 'SCB00X'.
[9/12/2018 15:24 PM] Processed library member (10): 'ASPD0011'.
[9/12/2018 15:24 PM] Processed library member (11): 'SCB00X'.
[9/12/2018 15:24 PM] Processed library member (12): 'ASPD0059'.
[9/12/2018 15:24 PM] Request sent to server...
[9/12/2018 15:24 PM] Processed library member (13): 'SCB00X'.
[9/12/2018 15:24 PM] Processed library member (14): 'ASPD009X'.
[9/12/2018 15:24 PM] Data retrieved...
[9/12/2018 15:24 PM] 3 currently active processing threads...
[9/12/2018 15:24 PM] Processed library member (16): 'ASPD0091'.
[9/12/2018 15:24 PM] Processed library member (15): 'SCB00X'.
[9/12/2018 15:24 PM] Processed library member (17): 'ASPD0092'.
[9/12/2018 15:24 PM] Processed library member (19): 'ASPD0093'.
[9/12/2018 15:24 PM] Processed library member (18): 'SCB00X'.
[9/12/2018 15:24 PM] Processed library member (20): 'SCB00X'.
[9/12/2018 15:24 PM] Processed library member (22): 'SCB00X'.
[9/12/2018 15:24 PM] Processed library member (24): 'SCB00X'.
[9/12/2018 15:24 PM] Processed library member (20): 'SCB00X'.
[9/12/2018 15:24 PM] Processed library member (23): 'SCB00X'.
[9/12/2018 15:24 PM] Processed library member (25): 'SCB00X'.
[9/12/2018 15:24 PM] Processed library member (21): 'ASPD0094'.
```

make processing



make processing



make syntax in Application Discovery

PROGRAM Found in this directory:

...\Program Files\IBM Application Discovery and Delivery Intelligence\IBM Application Discovery Build Client\Bin\Release>

IBMApplicationDiscoveryBuildClient /m1 Project /m2 y /m3 y

Syntax: /m1 PROJECTNAME /m2 (y/n) /m3 (y/n)

/m1 Projectname Specify the Projectname to be "make"

/m2 yes or no specify **yes** to run the build client in the background so that the build client can be run elsewhere

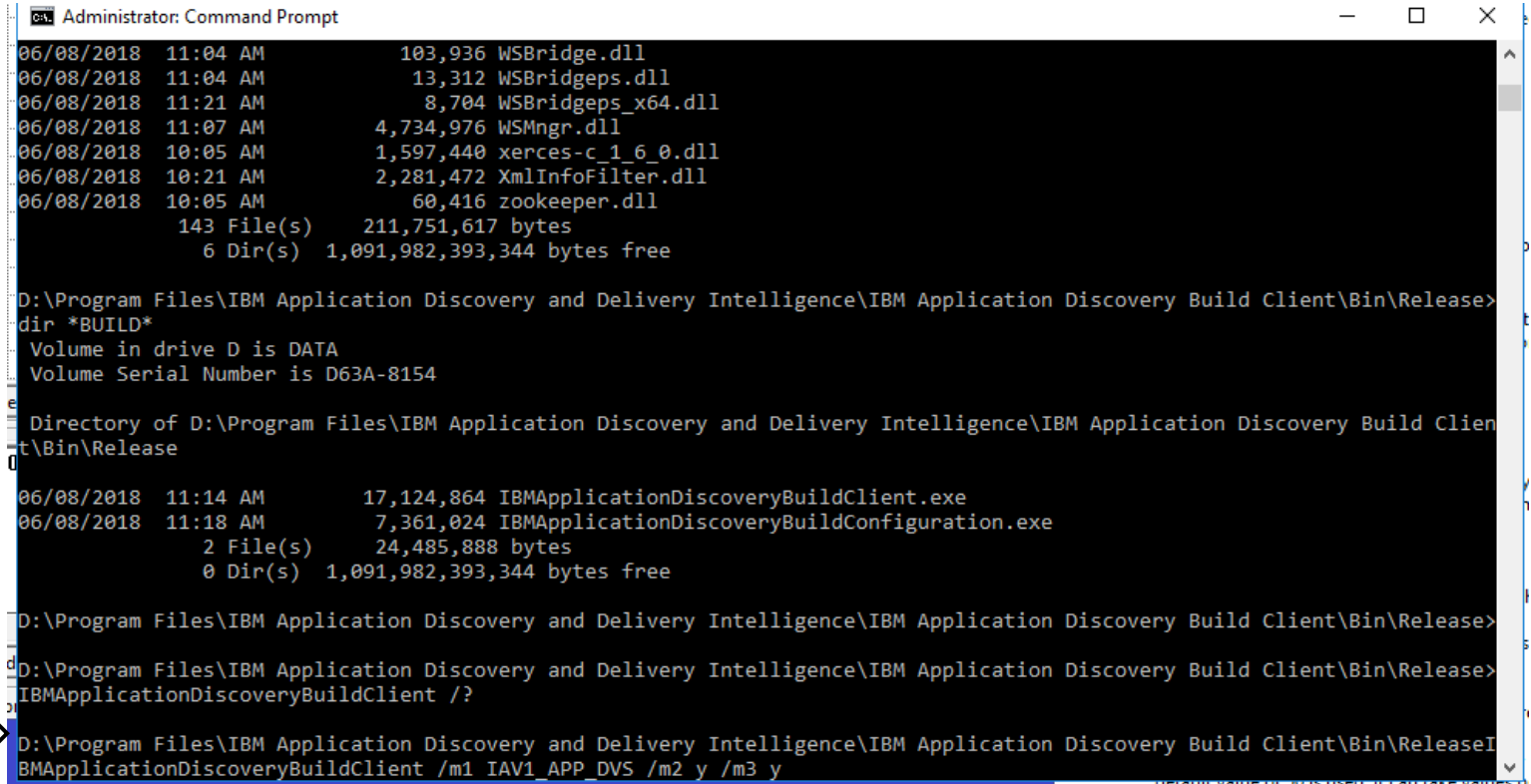
/m3 **yes** or **no** for generating the make status file

BatchMakeStatus_*timestamp*.txt

It is recommended that **/m3 y** is specified to generate the BatchMakeStatus file

Unlike the unix make command, there is NO file input for the Application Discovery make process.

Invocation of build client in batch make mode



```
Administrator: Command Prompt
06/08/2018 11:04 AM          103,936 WSBridge.dll
06/08/2018 11:04 AM           13,312 WSBridgeps.dll
06/08/2018 11:21 AM            8,704 WSBridgeps_x64.dll
06/08/2018 11:07 AM          4,734,976 WSMngr.dll
06/08/2018 10:05 AM          1,597,440 xerces-c_1_6_0.dll
06/08/2018 10:21 AM          2,281,472 XmlInfoFilter.dll
06/08/2018 10:05 AM           60,416 zookeeper.dll
          143 File(s)      211,751,617 bytes
           6 Dir(s)  1,091,982,393,344 bytes free

D:\Program Files\IBM Application Discovery and Delivery Intelligence\IBM Application Discovery Build Client\Bin\Release>
dir *BUILD*
Volume in drive D is DATA
Volume Serial Number is D63A-8154

Directory of D:\Program Files\IBM Application Discovery and Delivery Intelligence\IBM Application Discovery Build Client\Bin\Release

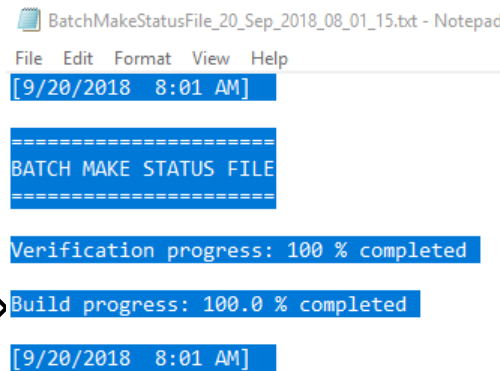
06/08/2018 11:14 AM          17,124,864 IBMAApplicationDiscoveryBuildClient.exe
06/08/2018 11:18 AM           7,361,024 IBMAApplicationDiscoveryBuildConfiguration.exe
           2 File(s)      24,485,888 bytes
           0 Dir(s)  1,091,982,393,344 bytes free

D:\Program Files\IBM Application Discovery and Delivery Intelligence\IBM Application Discovery Build Client\Bin\Release>
D:\Program Files\IBM Application Discovery and Delivery Intelligence\IBM Application Discovery Build Client\Bin\Release>
IBMAApplicationDiscoveryBuildClient /?
D:\Program Files\IBM Application Discovery and Delivery Intelligence\IBM Application Discovery Build Client\Bin\Release>
IBMAApplicationDiscoveryBuildClient /m1 IAV1_APP_DVS /m2 y /m3 y
```

Determining Success of make processing: BatchMakeStatusFile_timestamp.txt

**BatchMakeStateFile_timestamp.txt is located in PROJECT
SHARED FOLDER/Project folder.**

**CHECK THE
BUILD
PROGRESS
STATUS
FOR 100%**



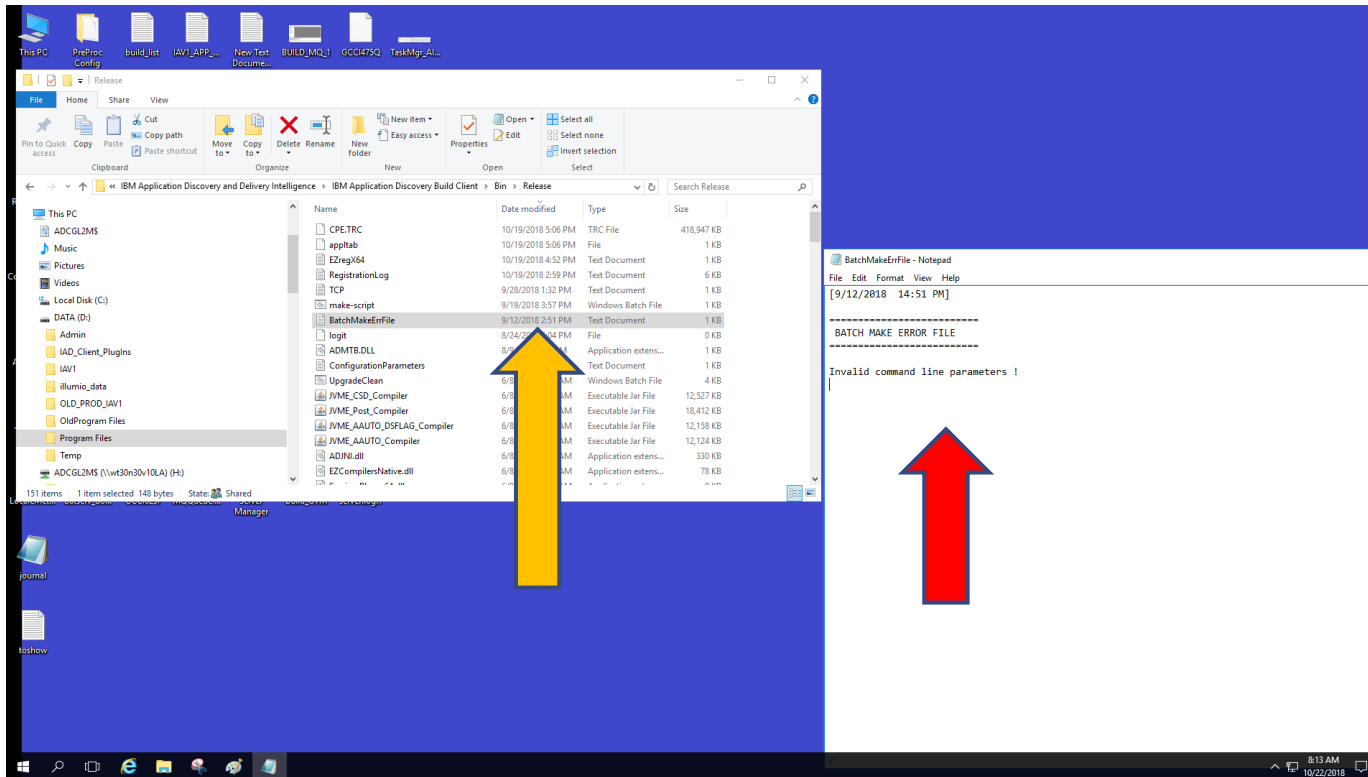
```
BatchMakeStatusFile_20_Sep_2018_08_01_15.txt - Notepad
File Edit Format View Help
[9/20/2018 8:01 AM]

=====
BATCH MAKE STATUS FILE
=====

Verification progress: 100 % completed
Build progress: 100.0 % completed
[9/20/2018 8:01 AM]
```

BatchMakeErrFile.txt: syntax error in make command

**Located in D:\Program Files\IBM Application
Discovery and Delivery Intelligence\IBM Application
Discovery Build Client\Bin\Release**



Project_Timestamp.txt

Running log of entire make processing

**Project_Timestamp.txt is located in
PROJECT SHARED FOLDER/Project
folder.**

**User Name : admin
Computer Name : IBMServer
IP Address : 192.168.159.162
[8/27/2018 20:06 PM] Building project...
[8/27/2018 20:11 PM] zOS Cobol Program**

Start of Project make log

CSMRT001

...

...

**[8/27/2018 20:12 PM] BMS Map
[8/27/2018 20:12 PM]**

JKEMORT

**C:\Users\admin\Desktop\JKEBANK\JKEBank\BMS\JKEMORT(24) : Warning
[1043] : Syntax Error: 'Length attribute is Missing'
[8/27/2018 20:13 PM] - 15 error(s), 20 warning(s)**

**Terminating message for
Project make log**

BATCH CREATE, POPULATE AND FULL BUILD OF A NEW PROJECT

- CUSTOMER CAN AUTOMATE THE MANUAL PROCESSING (USING BATCH CLIENT) INTERFACE, SAVING TIME, AND EFFORT
- REQUIRES CREATING/UPDATE FILES FOR:
 - DESCRIBING APPLICATION TYPE: COBOL, CICS, DB2
 - SPECIFYING “ENVIRONMENT” AND REPOSITORY
 - WHICH LPAR IS PROJECT GETTING SOURCE CODE FROM
 - UPDATE SYNC FILE WITH SOURCE CODE INFORMATION ON LPAR
- RUNNING BATCH COMMANDS
 - REFER TO USERS GUIDE FOR SYNTAX
 - LOGGING IS IN VARIOUS LOCATIONS

CREATE NEW PROJECT INI FILE

FILE: HOSPBAT.INI

```
[ADNewProj]
ProjectName = "HOSPBAT"
Path = "C:\IBM AD\Mainframe Projects\HOSPBAT"
Environment = "zOS"
ProjectLanguages = "Assembler,Cobol"
DBTypes = "Relational"
MapTypes = "CICS (BMS)"
ProjectDBType = "SQL"
CCSEnvironment = "Default"
DBServerName = "SQLServer [127.0.0.1:1433]"
AttachToDB = "N"
EnableBRD = "Y"
EnableCross = "Y"
```

LINE MODE COMMAND

```
C:\Program Files\IBM Application Discovery and Delivery Intelligence\IBM Application Discovery Build Client\Bin\Release\
IBMApplicationDiscoveryBuildClient
/np "c:\IBM AD\BUILD_CLIENT_CNTL\HOSPBAT.ini"
```

CREATE INI FILE TO ASSOCIATE LPAR TO PROJECT

FILE: HOSPBATLPAR.INI

**[ProjectsActions]
AssociatezOS=[HOSPBAT,WASHSYS]**

LINE MODE COMMAND

**C:\Program Files\IBM Application Discovery and Delivery Intelligence\IBM Application Discovery Build
Client\Bin\Release>IBMApplicationDiscoveryBuildConfiguration.exe /ba "c:\IBM
AD\BUILD_CLIENT_CNTL\HOSPBATLPAR.ini"**

POPULATE SOURCE CODE FROM LPAR, AND DO FULL BUILD

filename: SYNC.txt

```
HOSPBAT,PDS(MVS),DMOSHIE.HOSPITAL.COBOL,zOS Cobol,COBOL_MVS,WASHSYS  
HOSPBAT,PDS(MVS),DMOSHIE.HOSPITAL.COPYBOOK,Cobol Include,COPY,WASHSYS  
HOSPBAT,PDS(MVS),DMOSHIE.HOSPITAL.ASM,Assembler,ASSEMBLER,WASHSYS  
HOSPBAT,PDS(MVS),DMOSHIE.HOSPITAL.JCL,JCL,JCL,WASHSYS
```

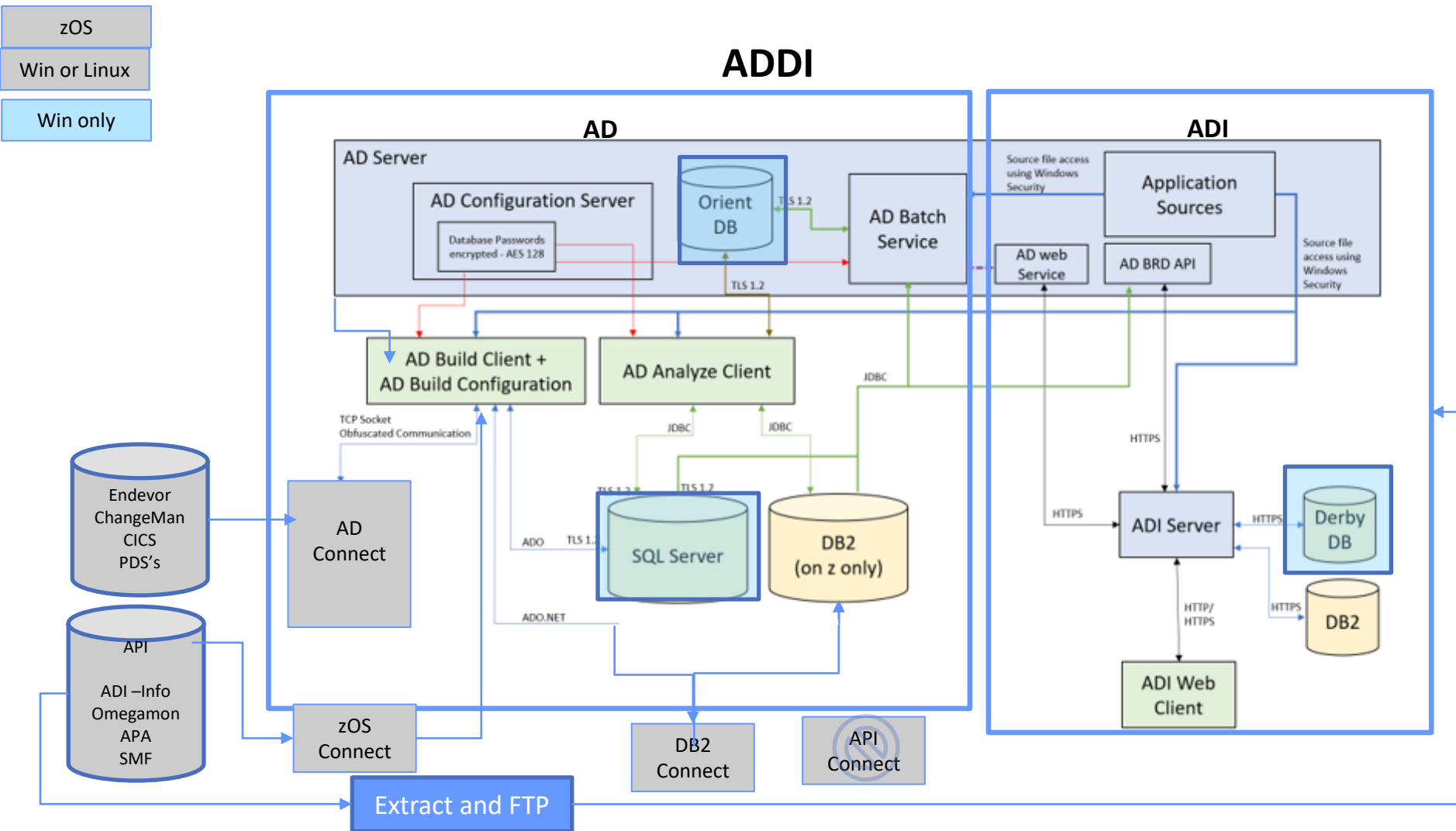
LINE MODE COMMAND: COPY SOURCE CODE FROM LPAR WASHSYS

```
C:\Program Files\IBM Application Discovery and Delivery Intelligence\IBM Application Discovery Build  
Client\Bin\ReleaseIBMApplicationDiscoveryBuildClient /umm1 HOSPBAT
```

LINE MODE COMMAND: RUN FULL BUILD OF PROJECT

```
C:\Program Files\IBM Application Discovery and Delivery Intelligence\IBM Application Discovery Build  
Client\Bin\ReleaseIBMApplicationDiscoveryBuildClient /fb HOSPBAT
```

APPLICATION DISCOVERY ARCHITECTURE



INSTALLATION OF APPLICATION DISCOVERY

■ PLANNING

- BUILD CLIENT MUST RUN IN WINDOWS: WINDOWS SERVER OR WIN10
- AD SERVER CAN RUN IN MS SERVER OR LINUX
- REPOSITORY ON WINDOWS, LINUX, ZOS (SQL SERVER/DB2)
- AD CLIENT CAN BE IN ANY ECLIPSE SUPPORTED ENVIRONMENT
- ACTIVE DIRECTORY/SECURE STORAGE
- FIREWALL/PORT ADMINISTRATION

■ PREREQUISITES

- JAVA 8 (NOT JAVA 9 OR HIGHER)
- REPOSITORY (SQL SERVER, DB2)
- ACTIVE DIRECTORY SETUP
- ECLIPSE/IDz

■ IMPLEMENTATION

- RUN INSTALLATION SCRIPT
- CONFIGURE SERVERS
- INSTALL PLUGIN FOR ANALYZE CLIENT
- CONFIGURE ANALYZE CLIENT

SERVER/LISTENER PORTS

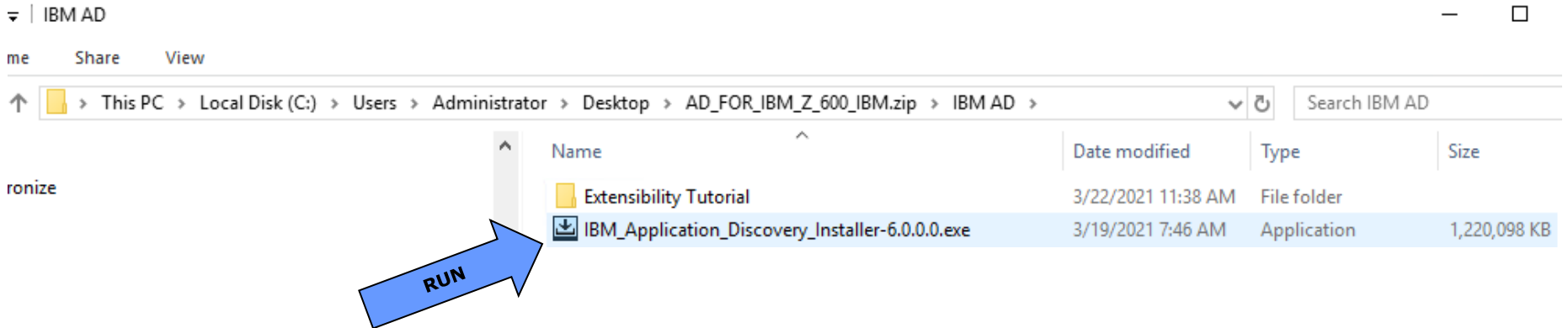
SERVER	PORT
CONFIGURATOR SERVER	2181
SQL SERVER	1433
GRAPH DB	2424
FILE SERVER	7700
MAINFRAME PROJECT	7650
MANUAL RESOLUTIONS	7900
SEARCH SERVICE	7800

- SERVER “CONF” FILES
- SERVER “YAML” FILES
- .INI FILES
- SHARED FOLDERS:
 1. PROJECT
 2. SOURCE CODE
 3. MAINFRAME INI FILES
 4. INDEX FILES
- RELATIONAL DATABASE/REPOSITORY
- CONFIGURATION SERVER

RUN INSTALLATION PROGRAM

1. UNZIP ZIP FILE: ADDI_FOR_Z_600.ZIP

2. RUN INSTALLER



ACCESS ADDI CONFIGURATION DASHBOARD

<http://localhost:9080/ad/admin/dashboard>

CHECK STATUS OF THE SERVERS, SESSIONS

IBM Application Discovery

Dashboard Configure Monitor Audit

Default environment

[Launch ADDI](#)

Components

- [Configuration server](#) ✓ Online
- [Analyze server](#) ✓ Online
- [Authentication server \(DEX\)](#) ✓ Online
- [Batch server service](#) ✓ Online
- [Mainframe projects service](#) ✓ Online
- [Manual resolutions service](#) ✓ Online
- [Cross applications service](#) ✓ Online

24 Projects

2 User groups

0 Users

Sessions

Application	User	Domain	Host	Date/Time
Application Discovery Batch Service	WIN-5Q79G47UBMS\$	appdisc.com	172.29.77.30	7/30/21, 5:25 AM
Application Discovery Mainframe Projects Service	WIN-5Q79G47UBMS\$		172.29.77.30	7/30/21, 5:21 AM

Locks

Type	Locked	Date/Time	Locked by	Host	User	Domain
------	--------	-----------	-----------	------	------	--------

ACCESS ADDI DASHBOARD: CONFIGURE AND ACCESS ENVIRONMENT

The screenshot shows the IBM Application Discovery web interface. The top navigation bar includes 'IBM Application Discovery', 'Dashboard', 'Configure' (highlighted with a blue arrow), 'Monitor', and 'Audit'. Below the navigation bar, the 'Environments' tab is selected, showing a table of environments. A blue arrow points to the 'Default' environment name in the table. The table has columns for Name, Description, ID, Status, and Actions. The 'Default' environment is listed with ID 'bbd78e98-3b13-48ec-97a2-3b8b76bfa43' and status 'Active'.

Name	Description	ID	Status	Actions
Default		bbd78e98-3b13-48ec-97a2-3b8b76bfa43	Active	

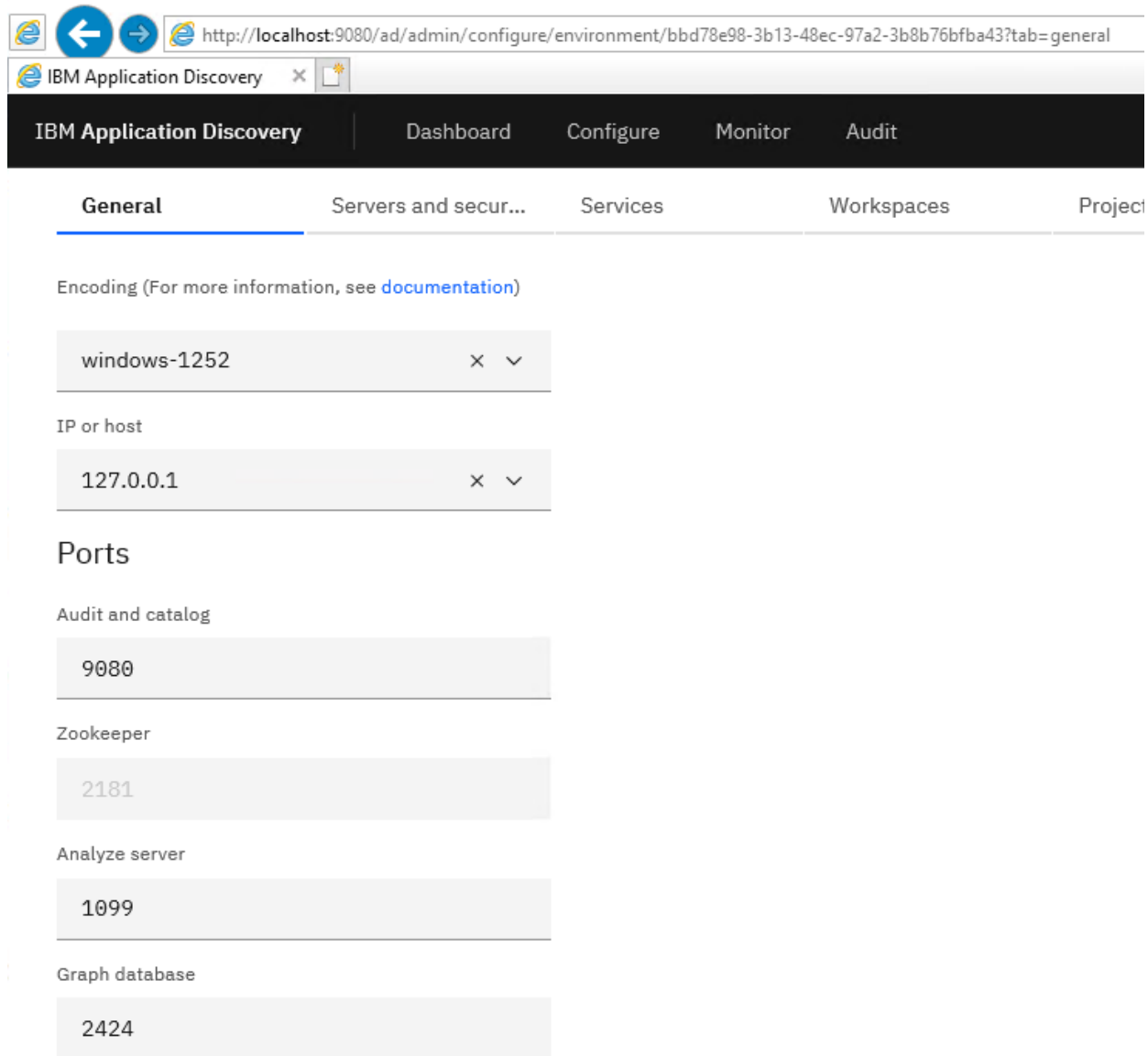
"ENVIROMENT" ALLOWS FOR MULTIPLE AD SERVERS TO BE VIEWED BY CONFIGURATION SERVER.

"ENVIRONMENT" PHYSICALLY SEPARATES AD PROJECTS. (IE. PROJECTS RESIDING ON ONE ENVIRONMENT IS NOT ACCESSIBLE ON A DIFFERENT ENVIRONMENT)

ENVIRONMENT ALLOWS FOR EXPANSION OF AD USAGE.

ENVIRONMENT ID IS USED WHEN CONFIGURING THE ANALYZE CLIENT.

CONFIGURE: GENERAL....THE HOST IP AND PORT NUMBERS



IBM Application Discovery

Dashboard Configure Monitor Audit

General Servers and secur... Services Workspaces Project

Encoding (For more information, see [documentation](#))

windows-1252

IP or host

127.0.0.1

Ports

Audit and catalog

9080

Zookeeper

2181

Analyze server

1099

Graph database

2424

SQL DATABASE SPECIFICATIONS

IBM Application Discovery

DashboardConfigureMonitorAudit

GeneralServers and securityServicesWorkspacesProjectsUser groups

Relational database server

Database names

Graph database server

Security

Authentication server (DEX)

Reports

Rule based

Relational database server

SQLServer (127.0.0.1:1433)

Annotations database

Name

EZ#Annotations

Schema

dbo

Audit database

Name

EZ#Audit

Cross analysis database

Name

EZ#Cross Analysis



GRAPHICS DATABASE

GRAPHICS DATABASE USAGE ENTAILS SETTING A PASSWORD FOR THE ROOT PASSWORD

The screenshot shows the IBM Application Discovery web interface. The browser tab is labeled "IBM Application Discovery". The navigation bar includes "IBM Application Discovery", "Dashboard", "Configure", "Monitor", and "Audit". Under the "Environments" section, "Default" is selected. The "Servers and secu..." tab is active, showing a list of server types on the left: "Relational database server", "Database names", "Graph database server" (highlighted), "Security", "Authentication server (DEX)", "Reports", and "Rule based". The right pane shows configuration fields for the "Graph database server": "Username" (set to "root"), "Password" (masked with dots), and "Confirm password" (masked with dots). A "Save" button is at the bottom.

IBM Application Discovery

Dashboard Configure Monitor Audit

Environments

Default

General Servers and secu... Services Workspaces Projects

Relational database server

Database names

Graph database server

Security

Authentication server (DEX)

Reports

Rule based

Username

root

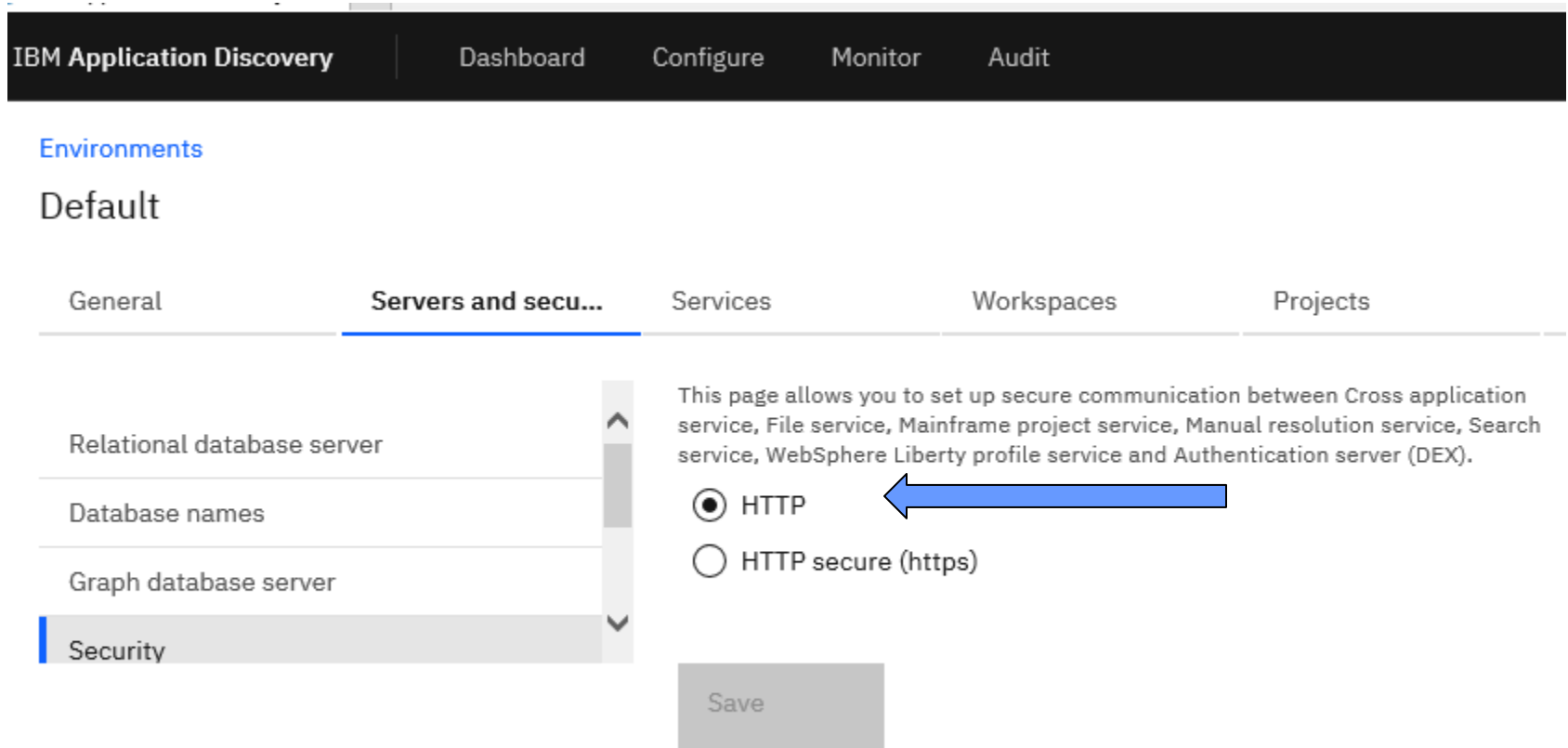
Password

Confirm password

Save

HTTP VS. HTTPS SETUP

IT is recommended to initially setup ADDI without HTTPS



IBM Application Discovery | Dashboard | Configure | Monitor | Audit

Environments

Default

General | Servers and security | Services | Workspaces | Projects

Relational database server

Database names

Graph database server

Security

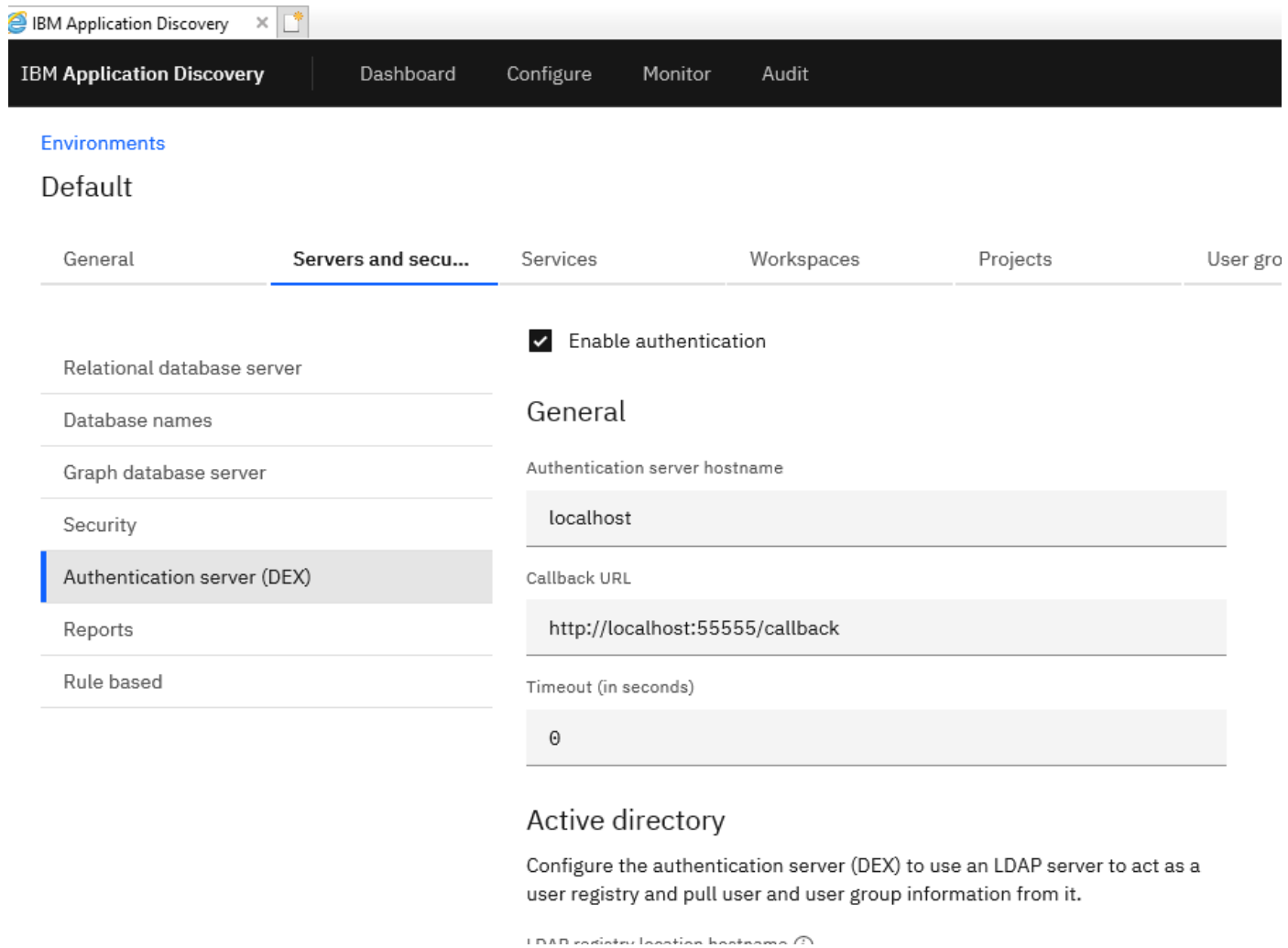
This page allows you to set up secure communication between Cross application service, File service, Mainframe project service, Manual resolution service, Search service, WebSphere Liberty profile service and Authentication server (DEX).

☒ HTTP

☐ HTTP secure (https)

Save

SETUP FOR DEX/OAUTH2



The screenshot shows the IBM Application Discovery web interface. The browser tab is labeled 'IBM Application Discovery'. The navigation bar includes 'Dashboard', 'Configure', 'Monitor', and 'Audit'. The left sidebar shows 'Environments' with a 'Default' environment selected. Under 'Default', the 'Servers and security' tab is active. The left sidebar lists various configuration sections: 'General', 'Database names', 'Graph database server', 'Security', 'Authentication server (DEX)', 'Reports', and 'Rule based'. The 'Authentication server (DEX)' section is expanded, showing a list of configuration options on the left and a form on the right. The form includes a checkbox for 'Enable authentication' (checked), a 'General' section with 'Authentication server hostname' (localhost) and 'Callback URL' (http://localhost:55555/callback), and an 'Active directory' section with 'Timeout (in seconds)' (0). The 'LDAP registry location hostname' field is partially visible at the bottom.

IBM Application Discovery

Dashboard Configure Monitor Audit

Environments

Default

General Servers and security Services Workspaces Projects User groups

Relational database server

Database names

Graph database server

Security

Authentication server (DEX)

Reports

Rule based

☒ Enable authentication

General

Authentication server hostname

localhost

Callback URL

http://localhost:55555/callback

Timeout (in seconds)

0

Active directory

Configure the authentication server (DEX) to use an LDAP server to act as a user registry and pull user and user group information from it.

LDAP registry location hostname

REPORTS CONFIGURATION: SET LOGO FOR REPORT OUTPUT

http://localhost:9080/ad/admin/configure/environment/bbd78e98-3b13-48ec-97a2-3b8b76bfa43?tab=servers&servers-tab=reports&services-tab=n

IBM Application Discovery

Dashboard Configure Monitor Audit

Database names

Graph database server

Security

Authentication server (DEX)

Reports

Rule based

Organization


Organization role

Activate view

☒ On

Logo
Only .png or .gif files. Maximum 1MB.

EXISTING .PNG FILE SPECIFIED FOR LOGO → monopoly_logo.png



The image shows a screenshot of the IBM Application Discovery web interface. The 'Reports' section is selected in the left sidebar. Under the 'Reports' section, the 'Rule based' option is active. The 'Logo' field is highlighted, and a callout box points to it with the text 'EXISTING .PNG FILE SPECIFIED FOR LOGO'. The logo field shows a file named 'monopoly_logo.png' with a download and delete icon. Below the file name, the Monopoly logo is displayed as a circular blue icon with a white top hat and mustache.

FILE SERVICE: SHARING SOURCE AND PROJECT FOLDERS

The screenshot shows the IBM Application Discovery web interface. The browser address bar displays the URL: `http://localhost:9080/ad/admin/configure/environment/bbd78e98-3b13-48ec-97a2-3b8b76bfa43?tab=services&servers-tab=reports&services-tab=file-service`. The navigation bar includes links for Dashboard, Configure, Monitor, and Audit. The left sidebar lists various services, with 'File service' selected. The main content area is titled 'Mappings' and shows a table with two columns: 'Remote' and 'Local'. The table contains two rows of mappings. Below the table, there is a section for 'Group settings' with a 'Session timeout' input field set to '2m'.

Environments

Default

General Servers and secur... **Services** Workspaces Projects User groups Users

Mainframe projects service

Cross applications service

File service

Search service

Manual resolutions service

Batch server service

Catalog service

Mappings

Search

Remote	Local
C:\IBM AD\Mainframe Projects\	C:\IBM AD\Mainframe Projects\
C:\IBM AD\Mainframe Sources\	C:\IBM AD\Mainframe Sources\

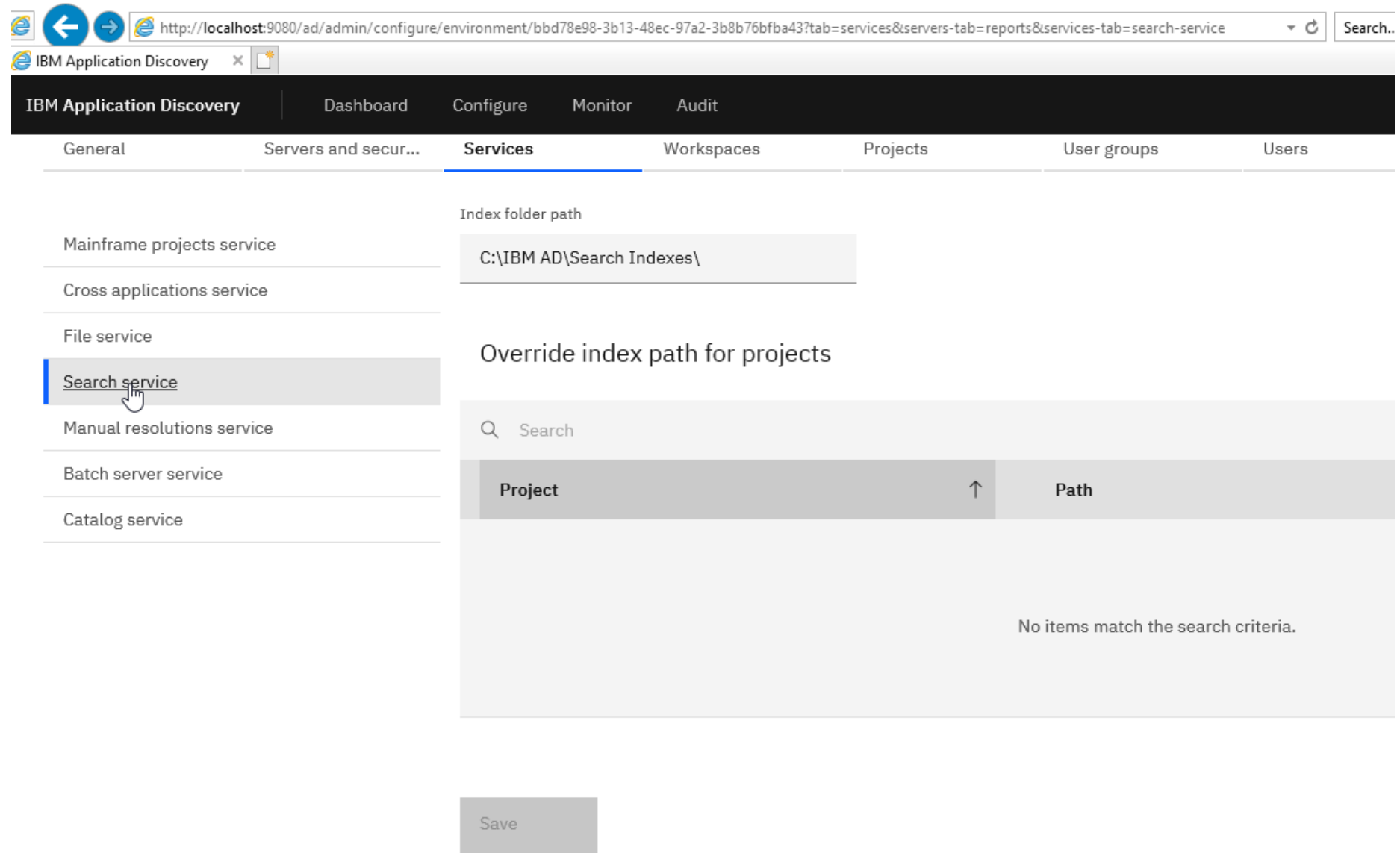
Group settings

Session timeout

2m

Value format must be a whole number followed by 's' for seconds, 'm' for minutes or 'h' for hours.

SEARCH SERVICE: SHARED FOLDERS TO MAINTAIN INDEXES







The screenshot displays the IBM Application Discovery web interface. The browser address bar shows the URL: `http://localhost:9080/ad/admin/configure/environment/bbd78e98-3b13-48ec-97a2-3b8b76bfa43?tab=services&servers-tab=reports&services-tab=search-service`. The interface has a top navigation bar with tabs: **IBM Application Discovery**, **Dashboard**, **Configure**, **Monitor**, and **Audit**. Below this is a secondary navigation bar with tabs: **General**, **Servers and secur...**, **Services** (selected), **Workspaces**, **Projects**, **User groups**, and **Users**.

On the left side, a list of services is shown: **Mainframe projects service**, **Cross applications service**, **File service**, **Search service** (highlighted with a blue bar and a mouse cursor), **Manual resolutions service**, **Batch server service**, and **Catalog service**.

The main content area for the **Search service** is titled **Index folder path** and shows the path `C:\IBM AD\Search Indexes\`. Below this is a section titled **Override index path for projects**. It contains a search bar with the text "Search" and a table with two columns: **Project** and **Path**. The table is currently empty, and a message at the bottom states: "No items match the search criteria." At the bottom of the page, there is a **Save** button.

BATCH SERVER: PROJECTS MANAGED

 <http://localhost:9080/ad/admin/configure/environment/bbd78e98-3b13-48ec-97a2-3b8b76bfa43?tab=servers&reports&services-tab=batch-service> 

BM Application Discovery 

BM Application Discovery | Dashboard | Configure | Monitor | Audit

Cross applications service

File service

Search service


Manual resolutions service


Batch server service

Catalog service

Projects

Select at least one project on which IBM AD Batch Server will operate.

 Search

<input checked="" type="checkbox"/>	Projects	Select All Deselect all 
<input checked="" type="checkbox"/>	CA7_REPORTING	
<input checked="" type="checkbox"/>	DB2IMSPROJECT	
<input checked="" type="checkbox"/>	GENAPP	
<input checked="" type="checkbox"/>	helloworld	
<input checked="" type="checkbox"/>	HOSPBAT	
<input checked="" type="checkbox"/>	HOSPITAL01	
<input checked="" type="checkbox"/>	HOSPITAL02	
<input checked="" type="checkbox"/>	HospitalApp	

BATCH SERVER: OPTIONS FOR PROCESSING

The screenshot shows the 'BM Application Discovery' web application. The top navigation bar includes 'BM Application Discovery', 'Dashboard', 'Configure', 'Monitor', and 'Audit'. Below the navigation bar is a table of components, each with a checked checkbox and a label. To the left of the table, three blue arrows labeled 'ESSENTIAL' point to the first three components: 'ADDIExtension', 'AnnotationsUpdate', and 'CobolPreprocessor'.

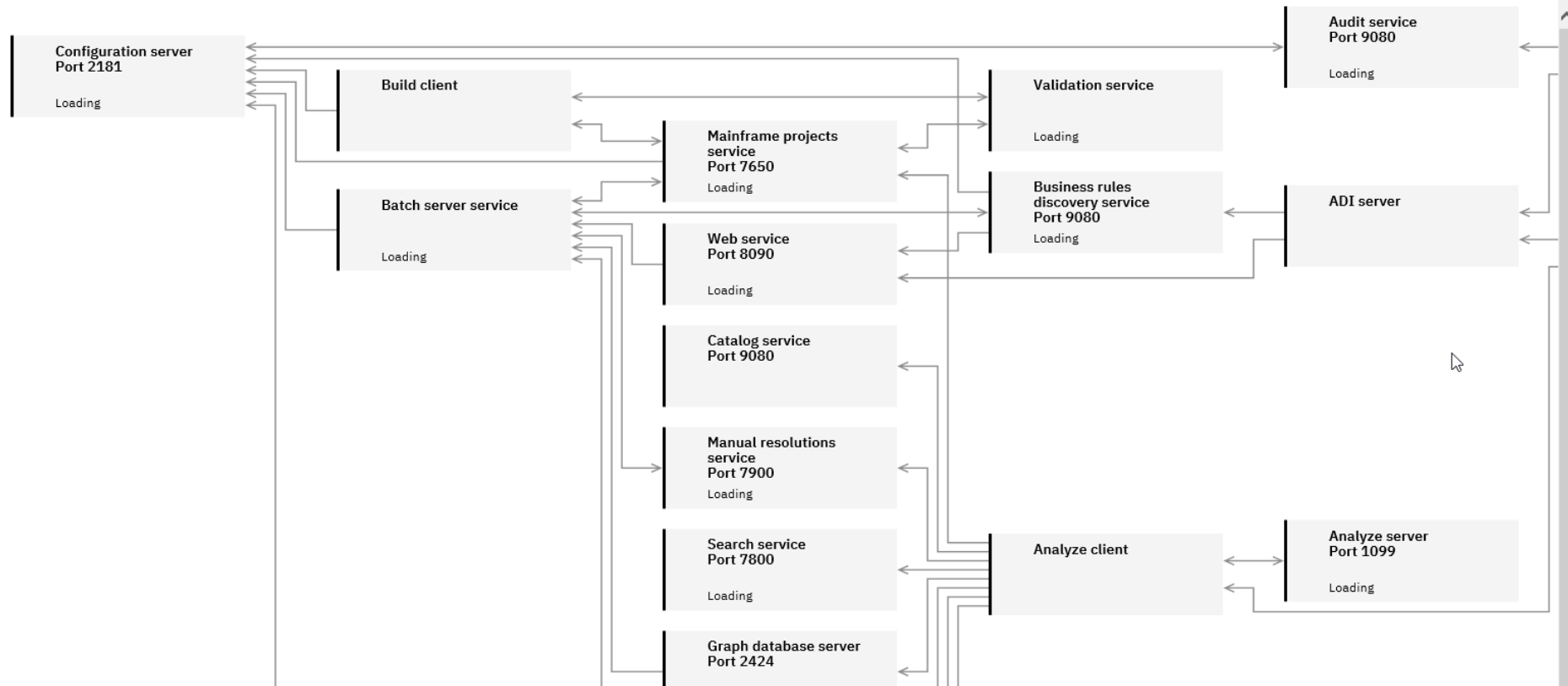
<input checked="" type="checkbox"/>	Components
<input checked="" type="checkbox"/>	ADDIExtension
<input checked="" type="checkbox"/>	AnnotationsUpdate
<input checked="" type="checkbox"/>	CobolPreprocessor
<input checked="" type="checkbox"/>	GraphDatabaseImport
<input checked="" type="checkbox"/>	JCLPreprocessor
<input checked="" type="checkbox"/>	PL1Preprocessor
<input checked="" type="checkbox"/>	Reports
<input checked="" type="checkbox"/>	RuleBased
<input checked="" type="checkbox"/>	SearchIndex
<input checked="" type="checkbox"/>	wsmetrics

MONITOR: GET BIG PICTURE OF APPLICATION AND LOGGING

**GET ALL SERVER
LOGGING WITH
ONE BUTTON**

Export all logs

Component impact Select an offline component to see other dependent components that are impacted.



IBM Application Discovery

IBM Application DiscoveryDashboardConfigureMonitorAudit

EventsTrendsLicensesUsers

Events

Download as CSV

Application name	Operation name	Operation type	Project name	Username	Date	
IBM AD Batch Server	WS Metrics finished with status Finished failed	250083	helloworld	WIN-5Q79G47UBMS\$	7/31/21, 11:40 AM	
IBM AD Batch Server	WS Metrics started	250080	helloworld	WIN-5Q79G47UBMS\$	7/31/21, 11:40 AM	
IBM AD Batch Server	GraphDB Import finished with status Finished	250042	helloworld	WIN-5Q79G47UBMS\$	7/31/21, 11:40 AM	
IBM AD Batch Server	PL1 Preprocessing finished with status Finished	250092	helloworld	WIN-5Q79G47UBMS\$	7/31/21, 11:39 AM	
IBM AD Batch Server	PL1 Preprocessing started	250090	helloworld	WIN-5Q79G47UBMS\$	7/31/21, 11:39 AM	
IBM AD Batch Server	Coverity finished with status Finished	250002	helloworld	WIN-5Q79G47UBMS\$	7/31/21, 11:39 AM	
IBM AD Batch Server	Coverity started	250000	helloworld	WIN-5Q79G47UBMS\$	7/31/21, 11:39 AM	
IBM AD Batch Server	ADI Indexing finished with status Finished failed	250103	helloworld	WIN-5Q79G47UBMS\$	7/31/21, 11:39 AM	
IBM AD Batch Server	Cross Repository Creation finished with status Finished	250132	helloworld	WIN-5Q79G47UBMS\$	7/31/21, 11:39 AM	
IBM AD Batch Server	Cross Repository Creation started	250130	helloworld	WIN-5Q79G47UBMS\$	7/31/21, 11:39 AM	
IBM AD Batch Server	Indexing finished with status Finished	250022	helloworld	WIN-5Q79G47UBMS\$	7/31/21, 11:39 AM	

OPERATIONS STATUS
CAN BE DOWNLOADED
AS A CSV

Download as CSV

Date



7/31/21, 11:40 AM

7/31/21, 11:40 AM

7/31/21, 11:40 AM

7/31/21, 11:39 AM

7/31/21, 11:39 AM

7/31/21, 11:39 AM

7/31/21, 11:39 AM

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7/31/21, 11:39 AM

7/31/21, 11:39 AM

7/31/21, 11:39 AM

7/31/21, 11:39 AM

7/31/21, 11:39 AM

7/31/21, 11:39 AM



PROJECTS

Environments

Default

- General
- Servers and secur...
- Services
- Workspaces
- Projects
- User groups
- Users

Search

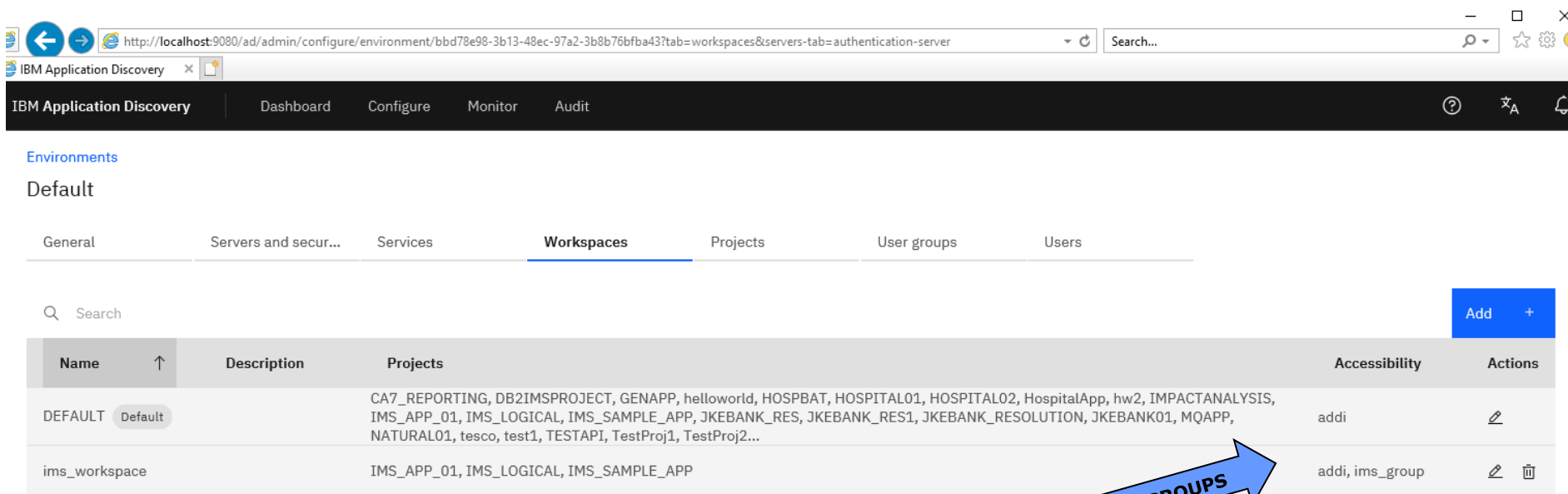
<input type="checkbox"/>	Project name ↑	Description	Project type	Local project path	Relational database name	Business rules discovery	Cross application
<input type="checkbox"/>	CA7_REPORTING		mainframe	C:\IBM AD\Mainframe Projects\CA7_REPORTING	EZ_CA7_REPORTING	Disabled	Disabled
<input type="checkbox"/>	DB2IMSPROJECT		mainframe	C:\IBM AD\Mainframe Projects\DB2IMSPROJECT	EZ_DB2IMSPROJECT	Disabled	Disabled
<input type="checkbox"/>	GENAPP		mainframe	C:\IBM AD\Mainframe Projects\GENAPP	EZ_GENAPP	Disabled	Enabled
<input type="checkbox"/>	helloworld		mainframe	C:\IBM AD\Mainframe Projects\helloworld	EZ_helloworld	Disabled	Disabled
<input type="checkbox"/>	HOSPBAT		mainframe	C:\IBM AD\Mainframe Projects\HOSPBAT	EZ_HOSPBAT	Enabled	Enabled
<input type="checkbox"/>	HOSPITAL01		mainframe	C:\IBM AD\Mainframe Projects\HOSPITAL01	EZ_HOSPITAL01	Enabled	Enabled
<input type="checkbox"/>	HOSPITAL02		mainframe	C:\IBM AD\Mainframe Projects\HOSPITAL02	EZ_HOSPITAL02	Enabled	Enabled



WORKSPACES: LOGICAL MANAGE PROJECT ACCESS

WINDOW ACTIVE DIRECTORY USERS WITH GROUP ACCESS TO ADDI CAN ACCESS ALL PROJECTS.

WINDOW ACTIVE DIRECTORY USERS WITH GROUP ACCESS IMS_GROUP CAN ONLY ACCESS PROJECTS IN IMS_WORKSPACE



The screenshot shows the IBM Application Discovery interface. The browser address bar displays the URL: `http://localhost:9080/ad/admin/configure/environment/bbd78e98-3b13-48ec-97a2-3b8b76bfa43?tab=workspaces&servers-tab=authentication-server`. The navigation bar includes 'Dashboard', 'Configure', 'Monitor', and 'Audit'. The 'Workspaces' tab is selected under the 'Environments' section. The 'Default' environment is active. The 'Workspaces' sub-tab is selected, showing a table of workspace configurations. The table has columns for Name, Description, Projects, Accessibility, and Actions. Two workspaces are listed: 'DEFAULT' and 'ims_workspace'. The 'DEFAULT' workspace has 'addi' accessibility, while 'ims_workspace' has 'addi, ims_group' accessibility. A blue arrow points to the 'ims_group' entry in the 'ims_workspace' row.

Name	Description	Projects	Accessibility	Actions
DEFAULT <small>Default</small>	CA7_REPORTING, DB2IMSPROJECT, GENAPP, helloworld, HOSPBAT, HOSPITAL01, HOSPITAL02, HospitalApp, hw2, IMPACTANALYSIS, IMS_APP_01, IMS_LOGICAL, IMS_SAMPLE_APP, JKEBANK_RES, JKEBANK_RES1, JKEBANK_RESOLUTION, JKEBANK01, MQAPP, NATURAL01, tesco, test1, TESTAPI, TestProj1, TestProj2...		addi	
ims_workspace		IMS_APP_01, IMS_LOGICAL, IMS_SAMPLE_APP	addi, ims_group	

ACTIVE DIRECTORY GROUPS

Cleaning up the OrientDB database

■ About this task

- ▶ The OrientDB Maintenance script can be used to clean up the OrientDB database. The script identifies the
- ▶ OrientDB databases that are not longer referenced by the symbolic links and deletes them. The
- ▶ OrientDBDatabaseMaintenance-x.x.bat script is located in the <IBM ADDI Installation
- ▶ Folder>\support\OrientDBDatabaseMaintenance\ folder.
- ▶ **Note:** For security reasons, the deletion steps are commented (REM) at lines 255 and 257.

■ Procedure

- ▶ 1. Go to <IBM ADDI Installation Folder>\support\OrientDBDatabaseMaintenance\ folder
- ▶ and run the OrientDBDatabaseMaintenance-x.x.bat script.
- ▶ 2. If unnecessary database folders are found, use option Y (Yes) to remove all unused database
- ▶ folders.
- ▶ 3. Check the logs under the C:\ADlogs\BatchServer\orientdb\MaintenanceLogs\ folder to
- ▶ review any database folder name that was removed.

■ Results

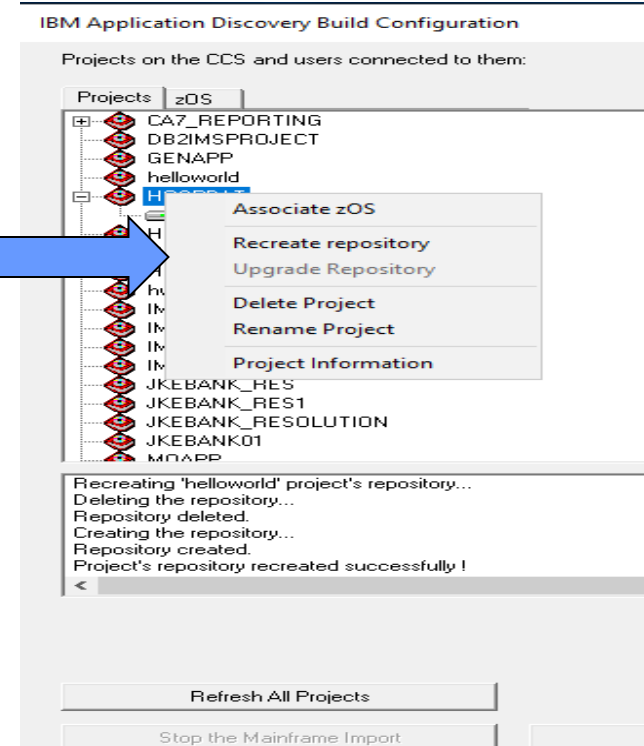
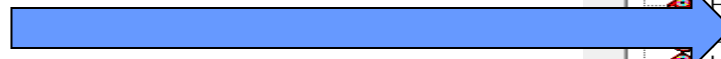
- ▶ All unused database folders are removed

UPGRADING APPLICATION DISCOVERY

RERUN INSTALLATION SCRIPT TO REPLACE MAINTAINED CODE

REINSTALL NEW ECLIPSE PLUG-IN, AND CONFIGURE ANALYZE CLIENT

REPOSITORY IS LIKELY UPDATED IN TERMS FOR NEW FIELDS IN EXISTING TABLES AND NEW TABLES. REPOSITORY UPGRADE DONE IN BUILD CONFIGURATOR



CUSTOMER SHOULD REBUILD PROJECTS TO CORRECTLY POPULATE WITH LATEST REPOSITORY

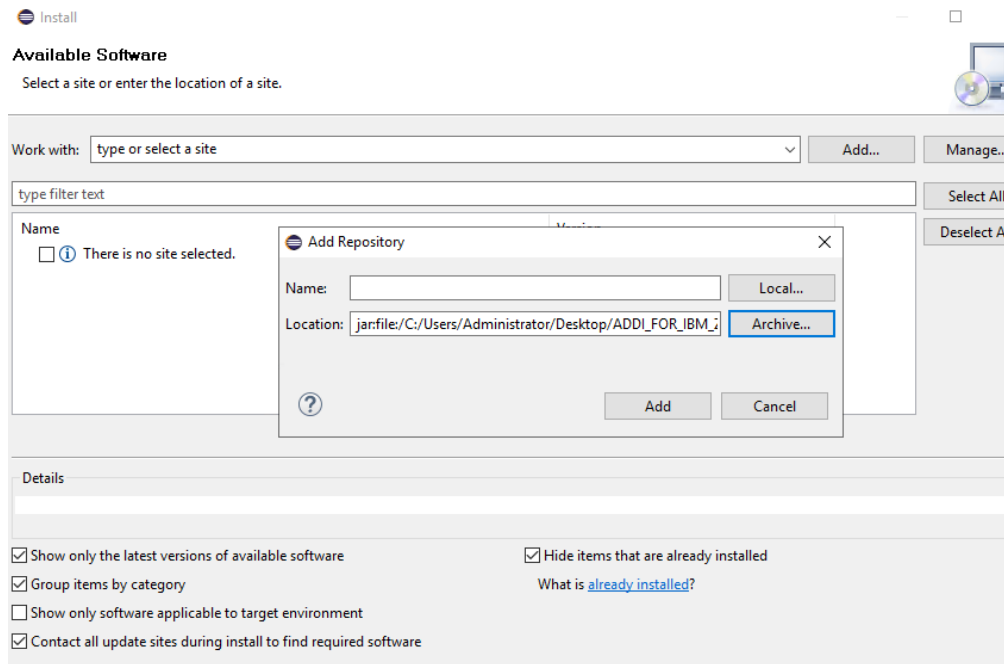
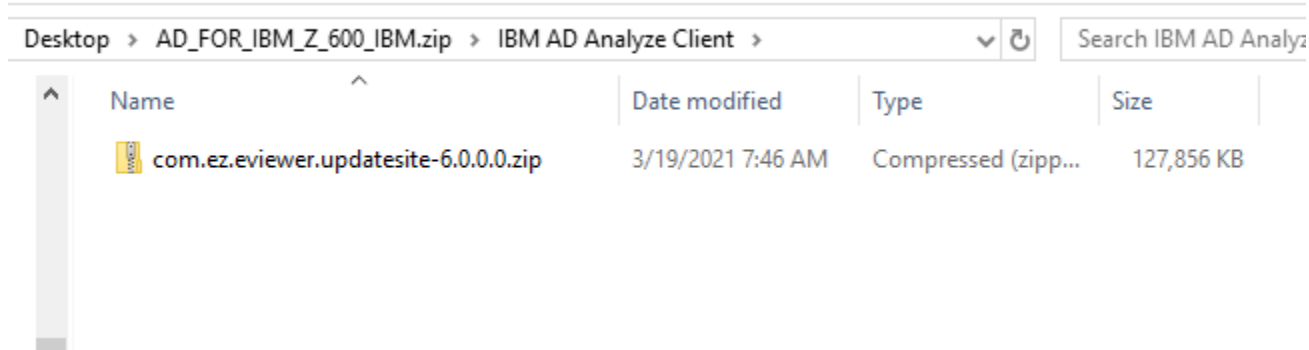
UNLOCK TRIAL VERSION OF APPLICATION DISCOVERY

INSTALLATION IS INITIALLY LIMITED TO 5 PROJECTS

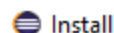
LICENSED CUSTOMER CAN DOWNLOAD "ACTIVATION KIT" FROM
PASSPORT ADVANTAGE

RUN **ADACTIVATION.EXE** IN ADMINISTRATION MODE

ANALYZE CLIENT ECLIPSE PLUGIN



COMPONENTS IN PLUGIN: SELECT



Available Software

Check the items that you wish to install.



Work with:

Add...

Manage...

type filter text

Select All

Deselect All

Name	Version
✓ <input type="checkbox"/> IBM Application Discovery Analyze	
<input type="checkbox"/> Application Discovery integration with Common Access Repository Manager (CARMA)	25.0.0.0-v20210312
<input type="checkbox"/> Application Discovery integration with Common Access Repository Manager (CARMA) translation support	25.0.0.0-v20210312
<input type="checkbox"/> Application Discovery integration with IBM CICS Explorer	25.0.0.0-v20210312
<input type="checkbox"/> Application Discovery integration with IBM CICS Explorer translation support	25.0.0.0-v20210312
<input type="checkbox"/> Application Discovery integration with IBM CICS IA	25.0.0.0-v20210312
<input type="checkbox"/> Application Discovery integration with IBM CICS IA translation support	25.0.0.0-v20210312

Details

☒ Show only the latest versions of available software

☒ Hide items that are already installed

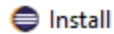
☒ Group items by category

What is [already installed](#)?

☐ Show only software applicable to target environment

☒ Contact all update sites during install to find required software

SELECT MAINFRAME ANALYSIS



Available Software

Check the items that you wish to install.

Work with:

Name

Version

- | | | |
|-------------------------------------|---|------------------------|
| <input type="checkbox"/> | Application Discovery integration with NPS Survey translation | 25.0.0.0-v202103121700 |
| <input type="checkbox"/> | Application Discovery java analysis | 25.0.0.0-v202103121700 |
| <input type="checkbox"/> | Application Discovery java analysis translation support | 25.0.0.0-v202103121700 |
| <input type="checkbox"/> | Application Discovery java/mainframe cross analysis | 25.0.0.0-v202103121700 |
| <input type="checkbox"/> | Application Discovery java/mainframe cross analysis translation support | 25.0.0.0-v202103121700 |
| <input checked="" type="checkbox"/> | Application Discovery mainframe analysis | 25.0.0.0-v202103121700 |
| <input type="checkbox"/> | Application Discovery mainframe analysis translation support | 25.0.0.0-v202103121700 |

1 item selected

Details

☒ Show only the latest versions of available software

☒ Group items by category

UPDATE ANALYZE CLIENT WITH ENVIRONMENT ID/NAME, HOST, PORT

The screenshot displays the IBM Application Discovery web interface. The main window shows the 'Environments' tab with a table of environments. A red arrow points from the 'Active' status of the 'Default' environment to the 'Unique id' field in the 'Preferences' dialog box. The 'Preferences' dialog box is open, showing the 'Environment settings' section. The 'Manually specify an environment' checkbox is checked. The 'Host' field is set to '127.0.0.1', the 'Port' field is set to '2181', and the 'Unique id' field is set to 'bbd78e98-3b13-48ec-97a2-3b8b76bfa43'. The 'Name' field is set to 'Default'. The 'Apply and Close' button is highlighted.

IBM Application Discovery

Environments

Install configurati...

Add +

Name ↑	Description	ID	Status	Actions
Default		bbd78e98-3b13-48ec-97a2-3b8b76bfa43	Active	

Preferences

The new values will be effective after restart

Main page for global preferences

Manually specify an environment

Host: 127.0.0.1

Port: 2181

Unique id: bbd78e98-3b13-48ec-97a2-3b8b76bfa43

Name: Default

Annotations repository settings

Global Audit settings

Global Catalog settings

Global OrientDB settings

Global reports settings

Global Rules Based Analysis

Local settings

Gradle

Help

Install/Update

Java

Maven

Mylyn

Oomph

Run/Debug

Team

Validation

XML

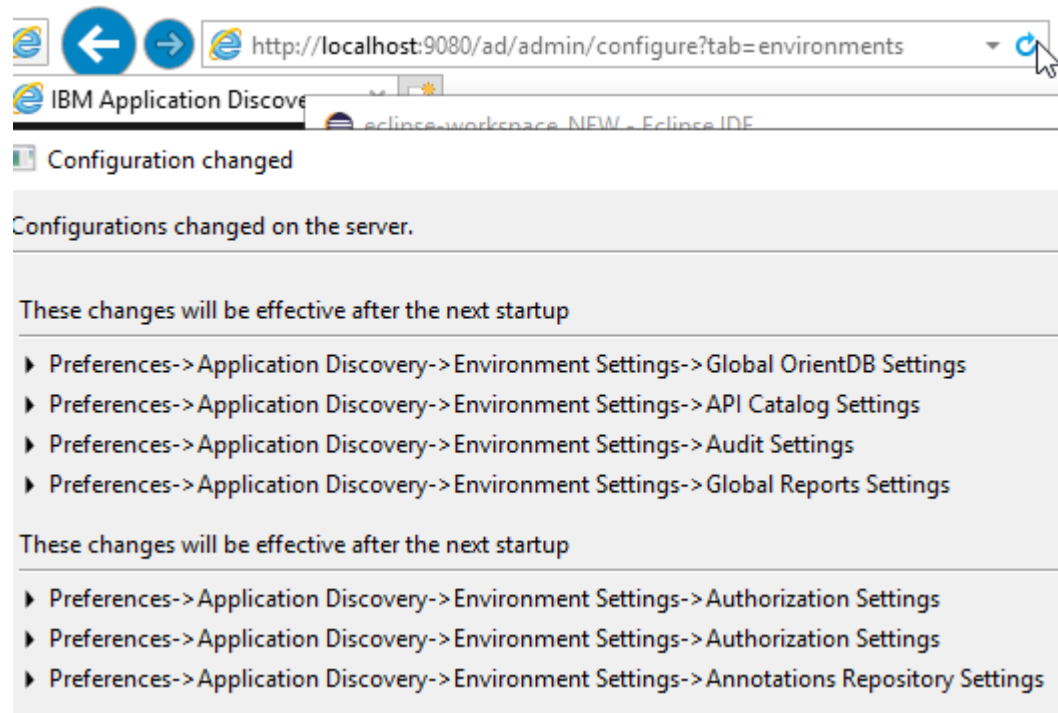
Restore Defaults

Apply

Apply and Close

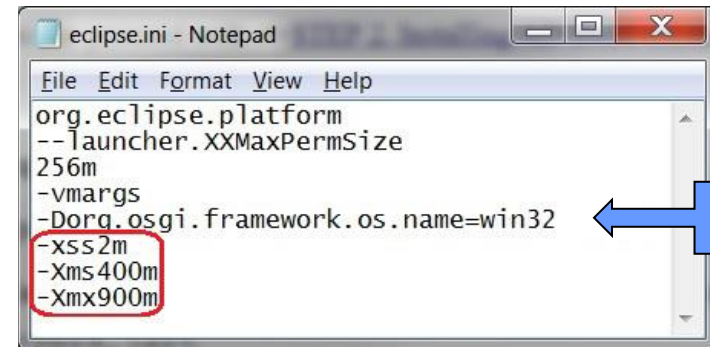
Cancel

ANALYZE CLIENT RESTART SHOWS UPDATE TO PREFERENCES



ECLIPSE.INI FILE UPDATES

**THESE ARE THE
ESSENTIAL UPDATES**



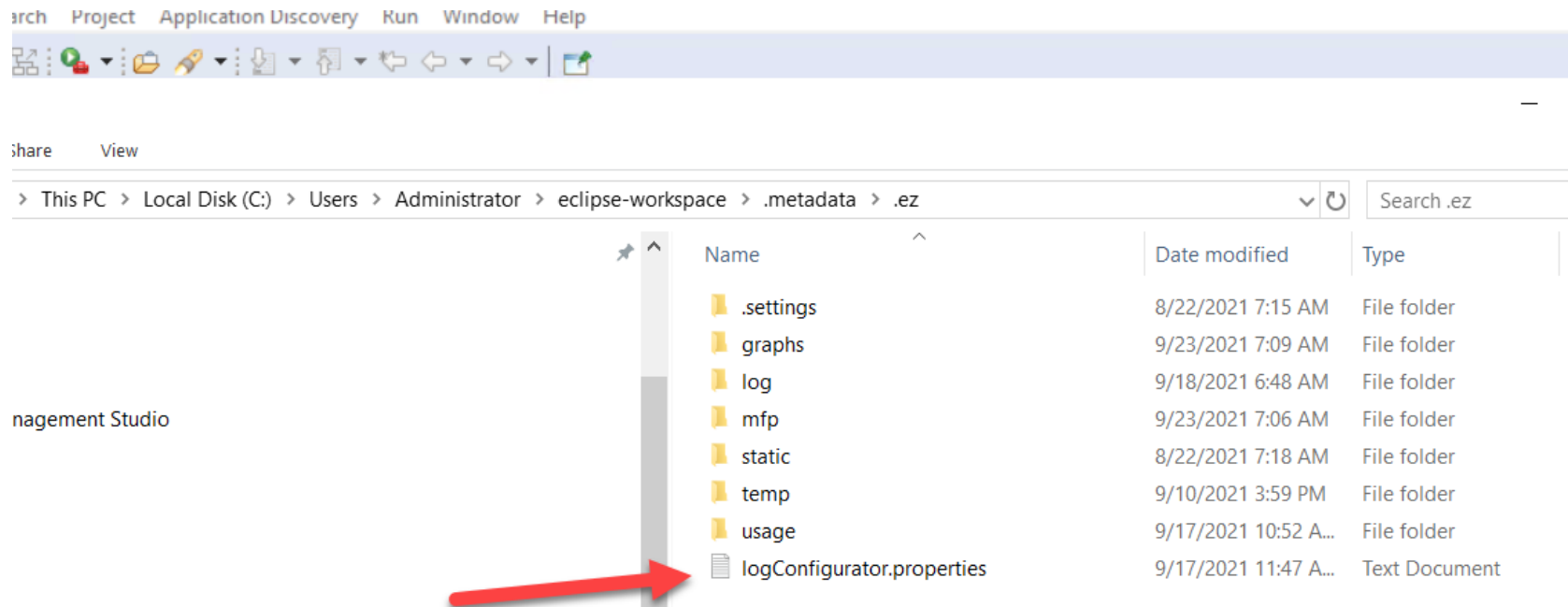
```
File Edit Format View Help
org.eclipse.platform
--launcher.XXMaxPermSize
256m
-vmargs
-Dorg.osgi.framework.os.name=win32
-xss2m
-Xms400m
-Xmx900m
```

**FOR
WINDOWS**

REFER TO AD USERS GUIDE FOR MORE DETAILS.

DEBUGGING ANALYZE CLIENT....LOGGING FOR IBM LEVEL 2 SUPPORT

- IBM LEVEL 2 SUPPORT NEEDS TO ENSURE ALL ANALYZE CLIENT DIAGNOSTICS BE SAVED TO A SINGLE LOG FILES
- IN FOLDER:



DEBUGGING ANALYZE CLIENT....LOGGING FOR IBM LEVEL 2 SUPPORT

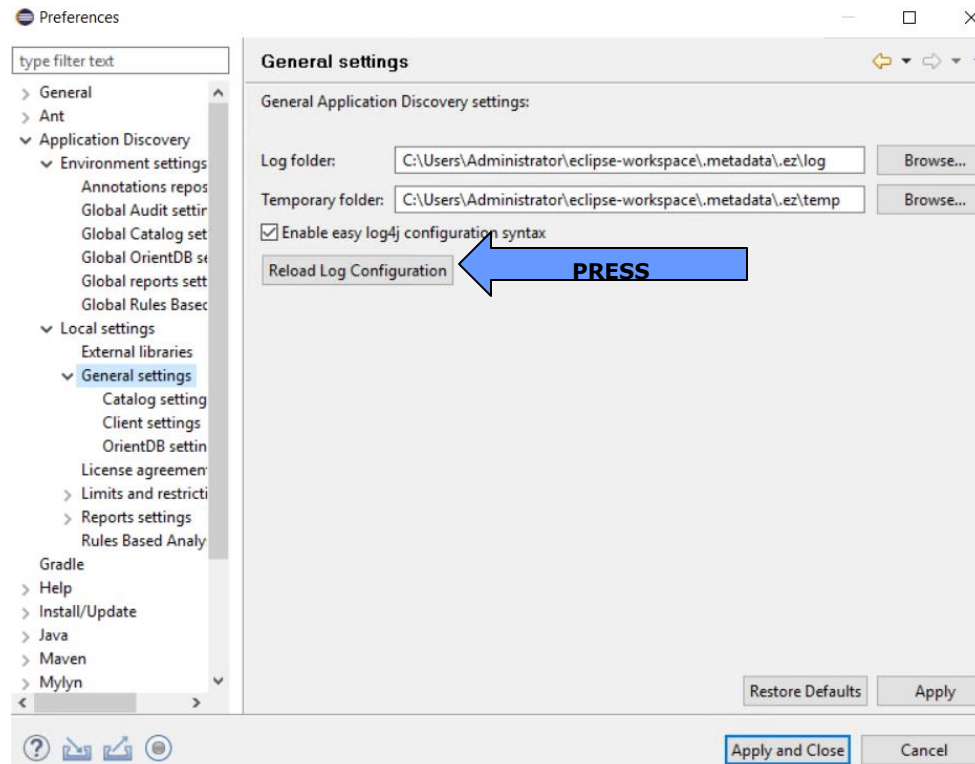
- LogConfiguration.properties

logConfigurator.properties - Notepad

File Edit Format View Help

```
com.ibm=all  
com.ez=all
```

- IN AD ECLIPSE PREFERENCES:



WHAT TO SUBMIT TO IBM LEVEL 2 SUPPORT

.log file This has logging for the ECLIPSE/IDz environment

example: C:\Users\Administrator\eclipse-workspace\.metadata\.log

.log file is to be submitted to IBM Support

log folder containing ez.log file and other ADDI configuration settings via zip

example: C:\Users\Administrator\eclipse-workspace\.metadata\.ez

zip .ez folder for submission to IBM Support

.... note that ez.log file is contained in log folder below (blue arrow)

