Setting Up a Remote CMOD Server

What is a “remote” CMOD server?

- Any CMOD server setup to augment the work of your Main CMOD Server
- You only have one CMOD Library Server, but you can have more than one Object Server, or additional CMOD servers supporting your main CMOD system

Types of Remote CMOD servers
In addition to your main CMOD system

- **Object Server**
  - For 2-n CMOD storage
- **Test Server**
  - Complete CMOD install
- **Features Server**
  - ODWEK, FTI/FTS, PDF Indexer
- **Remote loading server**
  - Quick, easy, no database
  - Used mainly to get to ARS commands
  - Remote indexing and loading of data

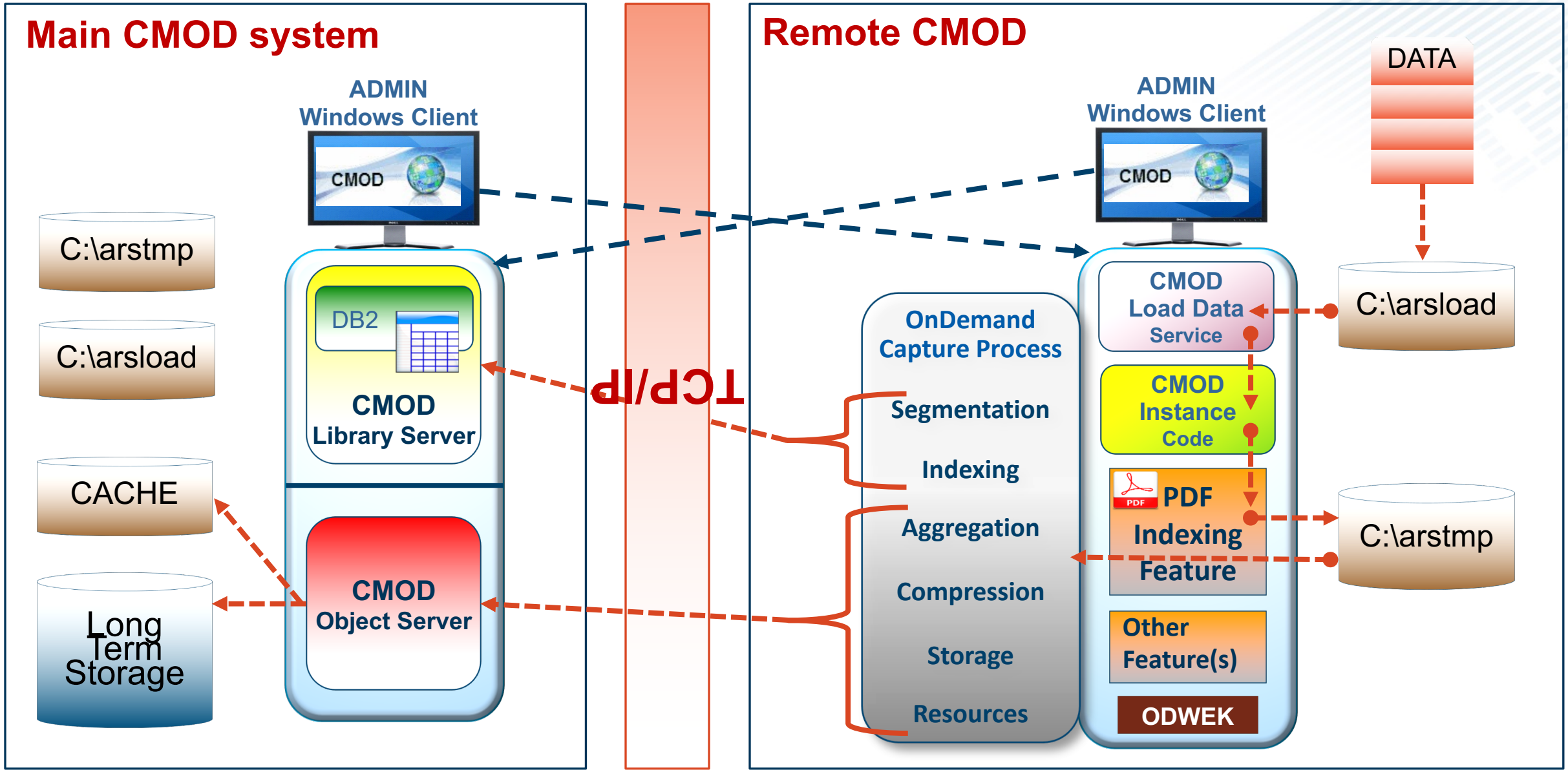
Why setup a remote CMOD ?

- **There are many reasons for setting up a "remote" CMOD server**
  - 2 of the 4 Optional features for CMOD (PDF Indexer, Full Text Indexing) **should** be run on a "separate" server as not to slow down the main CMOD server. You **can** run any of the features on the main CMOD server.
  - Even if your CMOD server is on a different platform like AIX, zOS, IBM for I, Linux, etc. You **can** run the features on different platforms like Windows
  - You may want to off-load the indexing to another server, saving resources like MIPS, or CPU on your CMOD server
  - You may want to setup multiple "remote CMOD" servers for processing large (or month end, quarter end, year end processing).
  - Help with migrations. Maybe you have a lot of data to get into CMOD quickly
  - Remote CMOD servers are very easy to setup (and take down).
  - May need an Object Server which we will discuss in a separate Lab
  - PDF Indexer is **recommended** to run on Windows because of the nature of PDFs coming from the Windows

Have you heard?

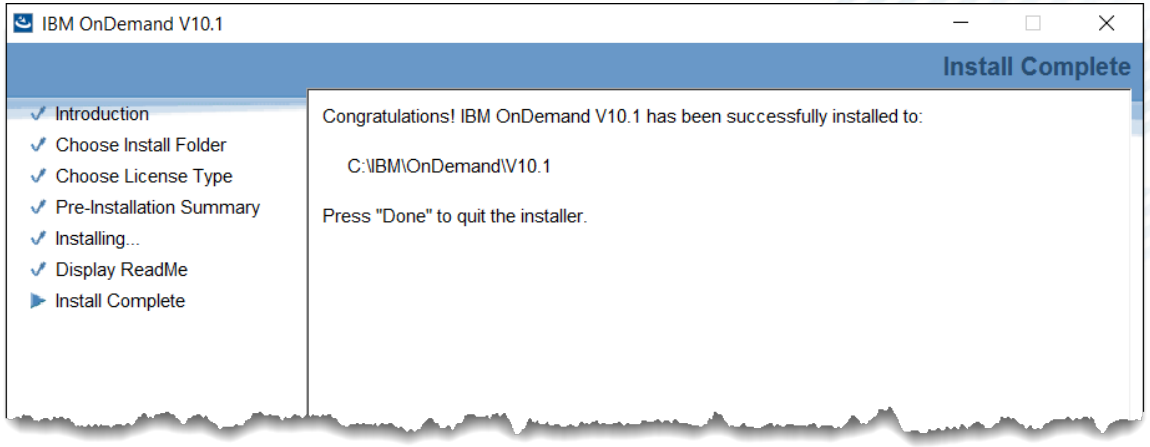
BIG NEWS !!!

The PDF Indexer is **now included** with CMOD 10.5



CMOD Server Install

Installing CMOD Server



- Start Windows Explorer,
- Navigate to "`C:\Install_Software\CMOD\Server`"
- Run "`odwin.exe`"
- Take default of language (**English**) click "`OK`"
- Introduction: Click "`Next`"
- Software License agreement: Select "**I accept**…" and Click "`Next`"
- Choose Install Folder:
  - Change the directory to "`C:\IBM\OnDemand\V10.5`" and click "**Next** "
- Chose License Type:
  - Select "**Processor Value Unit, Non-Production**" and click "**Next**"
- Pre-Installation Summary: Click "`Install`"
- Do you want to display the readme file? Click "`No`"
- Click "`Done`" !
- *CMOD Server is installed (we'll configure it in a few minutes)*

CMOD Feature(s) Install

IBM

CMOD Fixpack Install

CMOD Clients Install

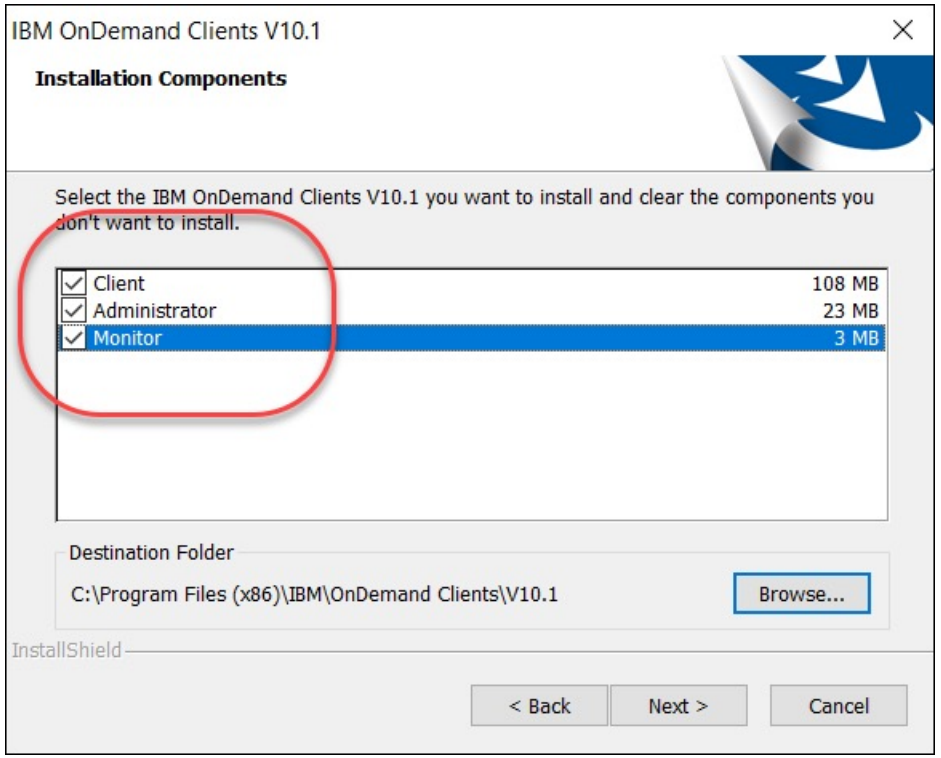
IBM

Installing 32 bit CMOD Clients cont…

- **Choose "`Custom`" (*otherwise you will not get the Administrator and (ODF)Monitor clients*)**
- **Select "`Client, Administrator and Monitor`"**

- **Click "`Next`"**
- **Click "`Next`"**
- **Click "`Next`"**
- **Click "`Finish`"**

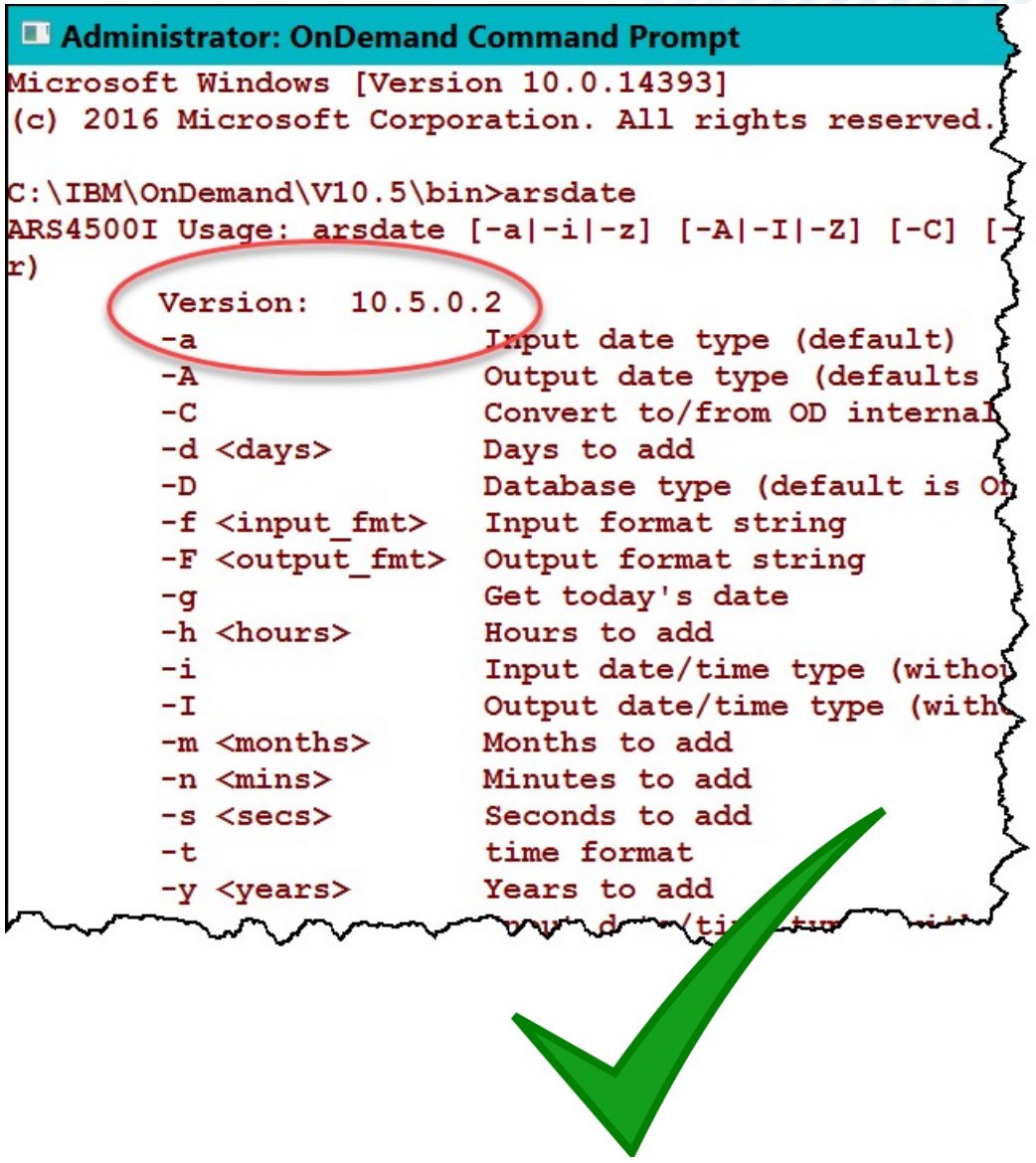
Note: *We will restart later*



Verifying Fixpak

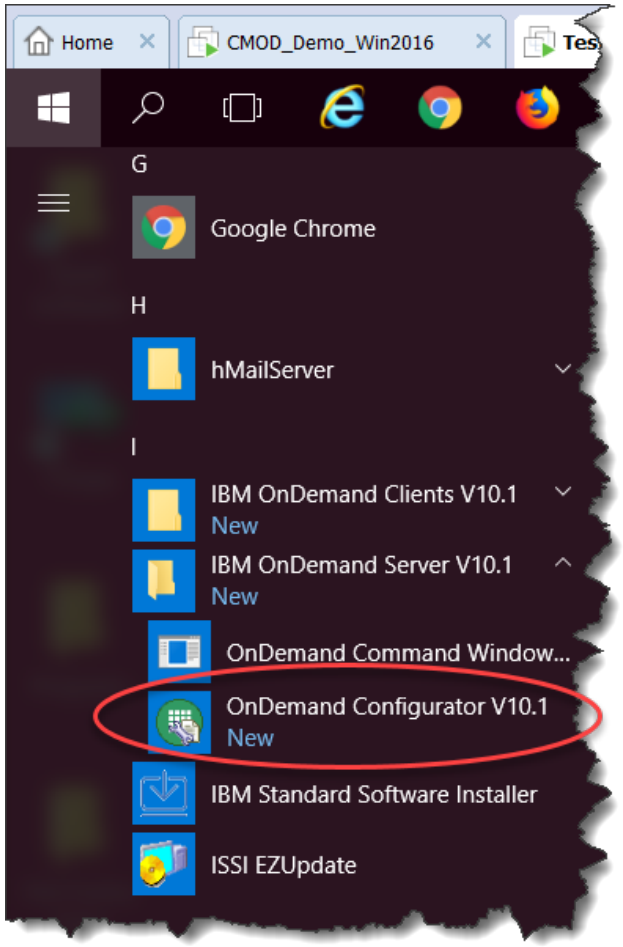
Issue any ARS command (like ARSDATE…

At the top of the window you should see: **Version 10.5.0.2**

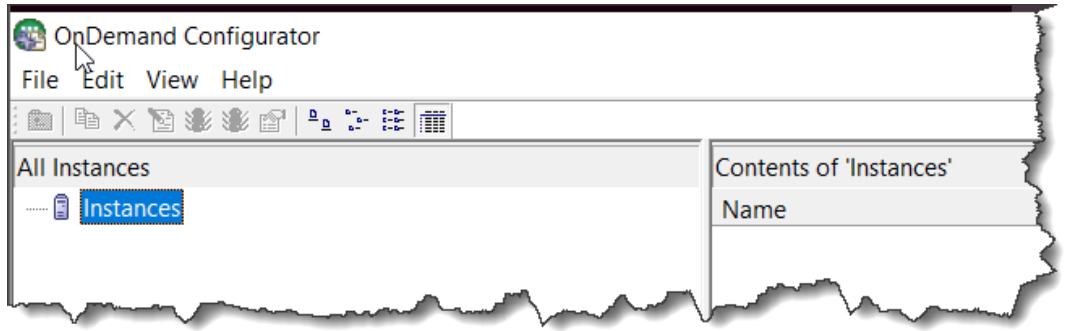


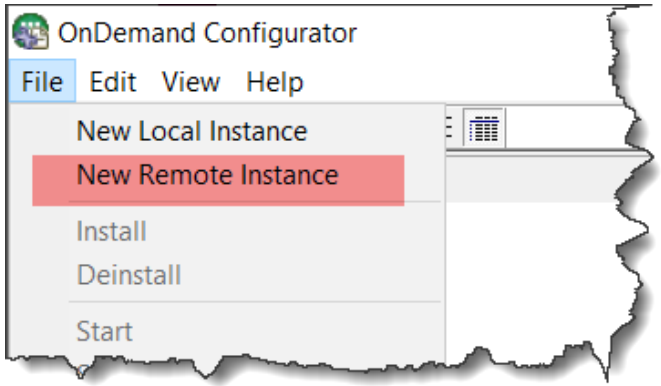
Setting up the Remote server

Setting up the Remote instance



- **Open** "OnDemand Configurator" in Windows startup
- You can see we do not have any Instances
- Click on "**File**"
- Click on "**New Remote Instance**" from drop down

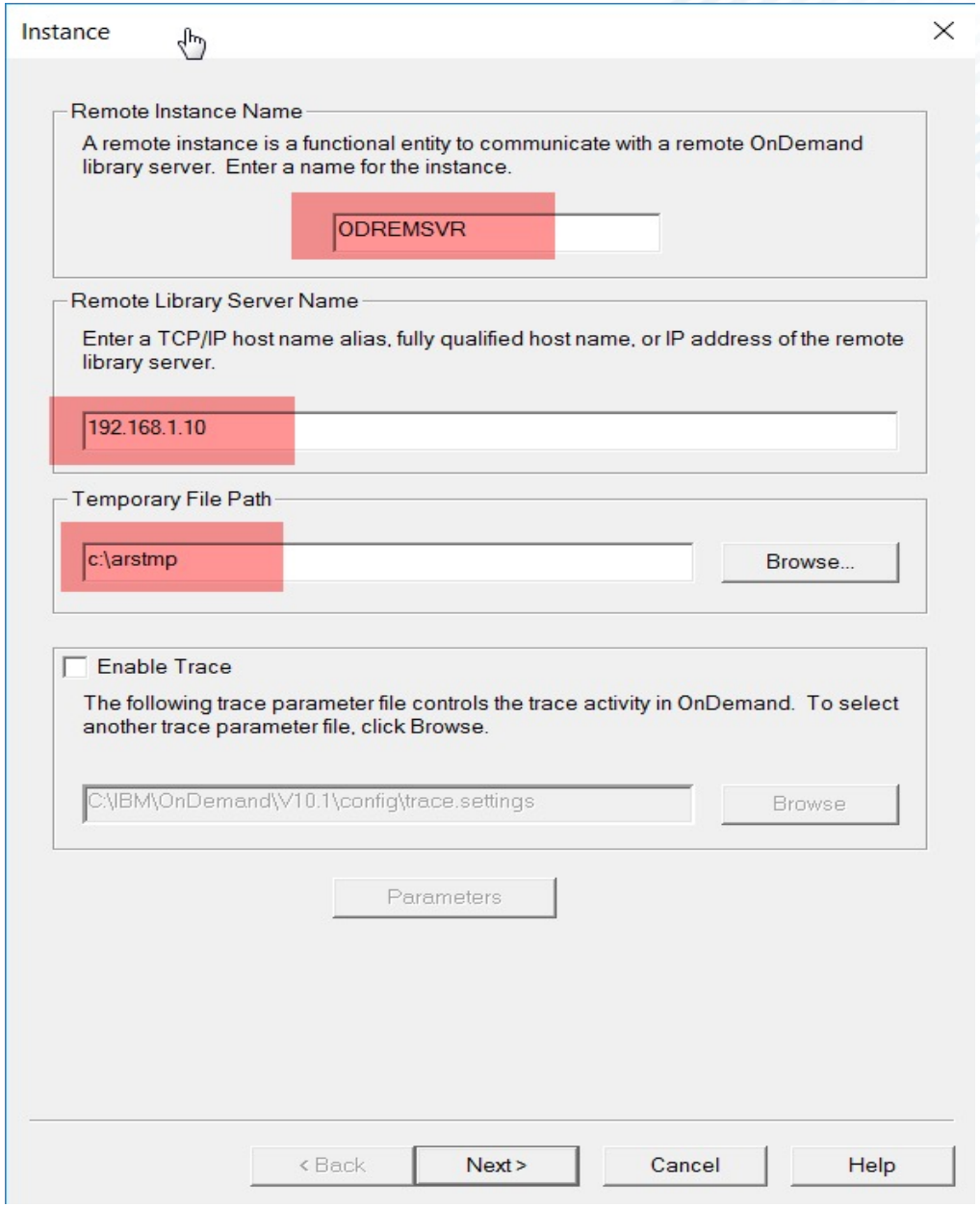




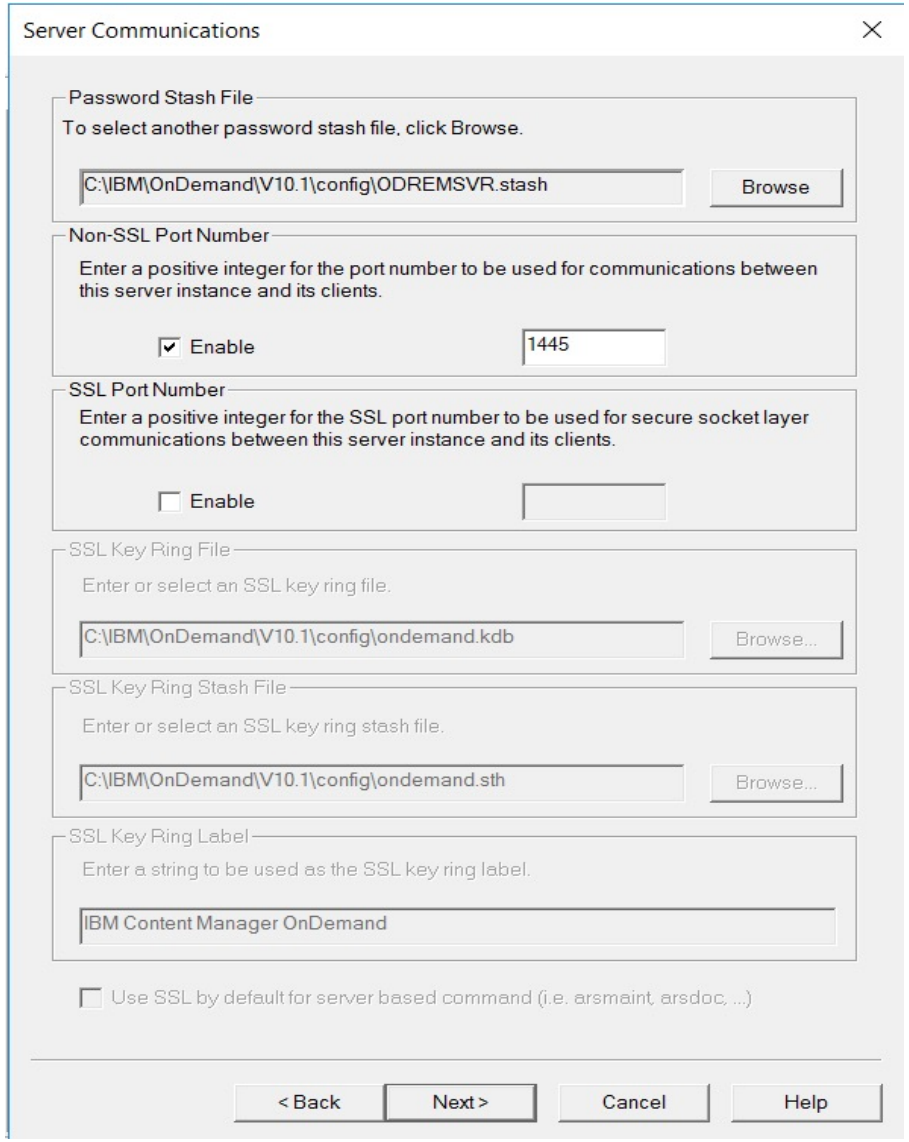
Setting up the Remote instance cont..

On the Instance Panel

- Type in “name” for your instance (does not have to match your main CMOD server)
- Type in “TCP/IP address” **to** your main CMOD server
- Type in directory for Temporary work (C:\arstemp is the default.
- Click on “**Next**”



Setting up the Remote instance cont..



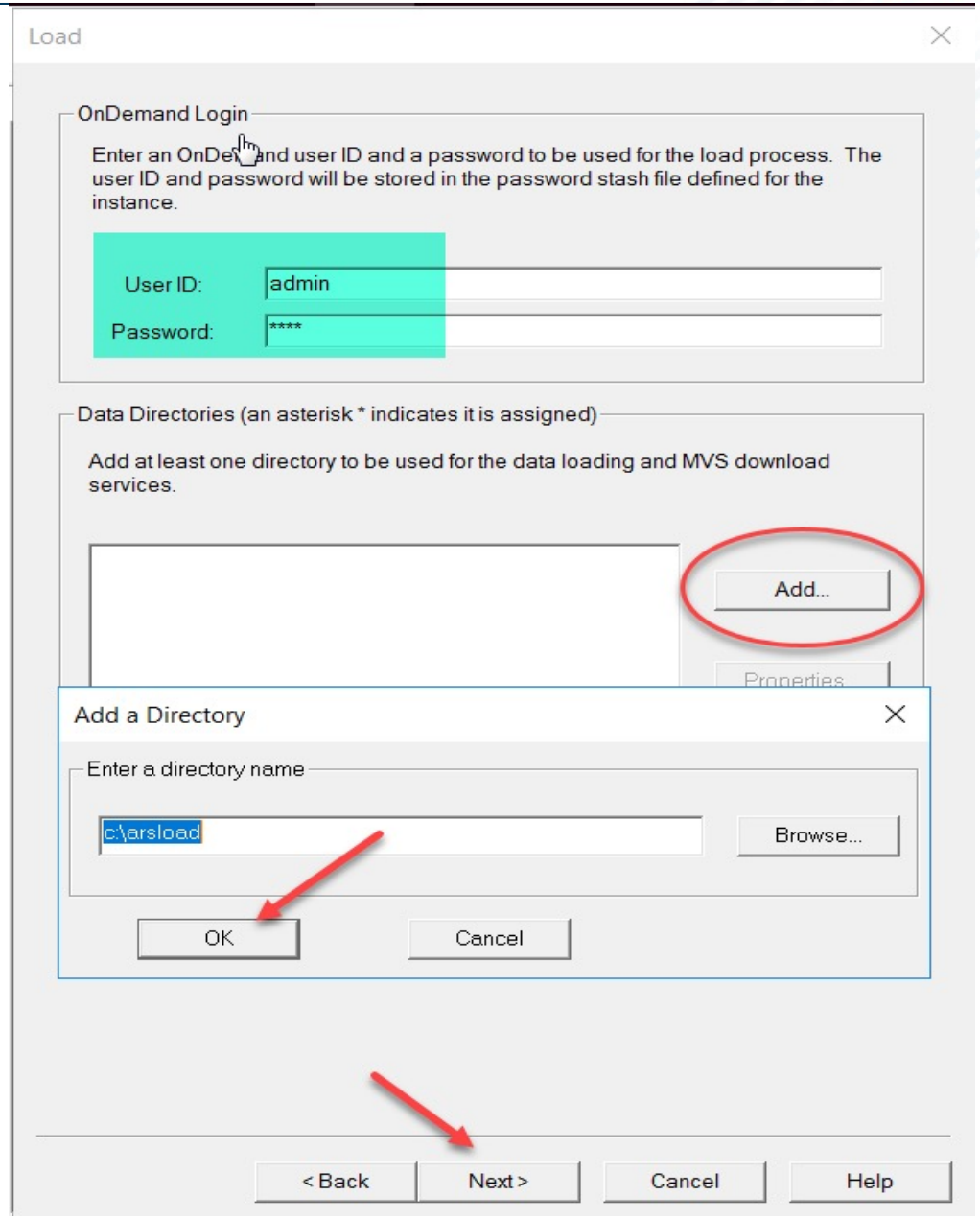
On the Server Communications Panel

- You can take the defaults (unless you need to make changes to match your environment)
- Click on “**Next**”

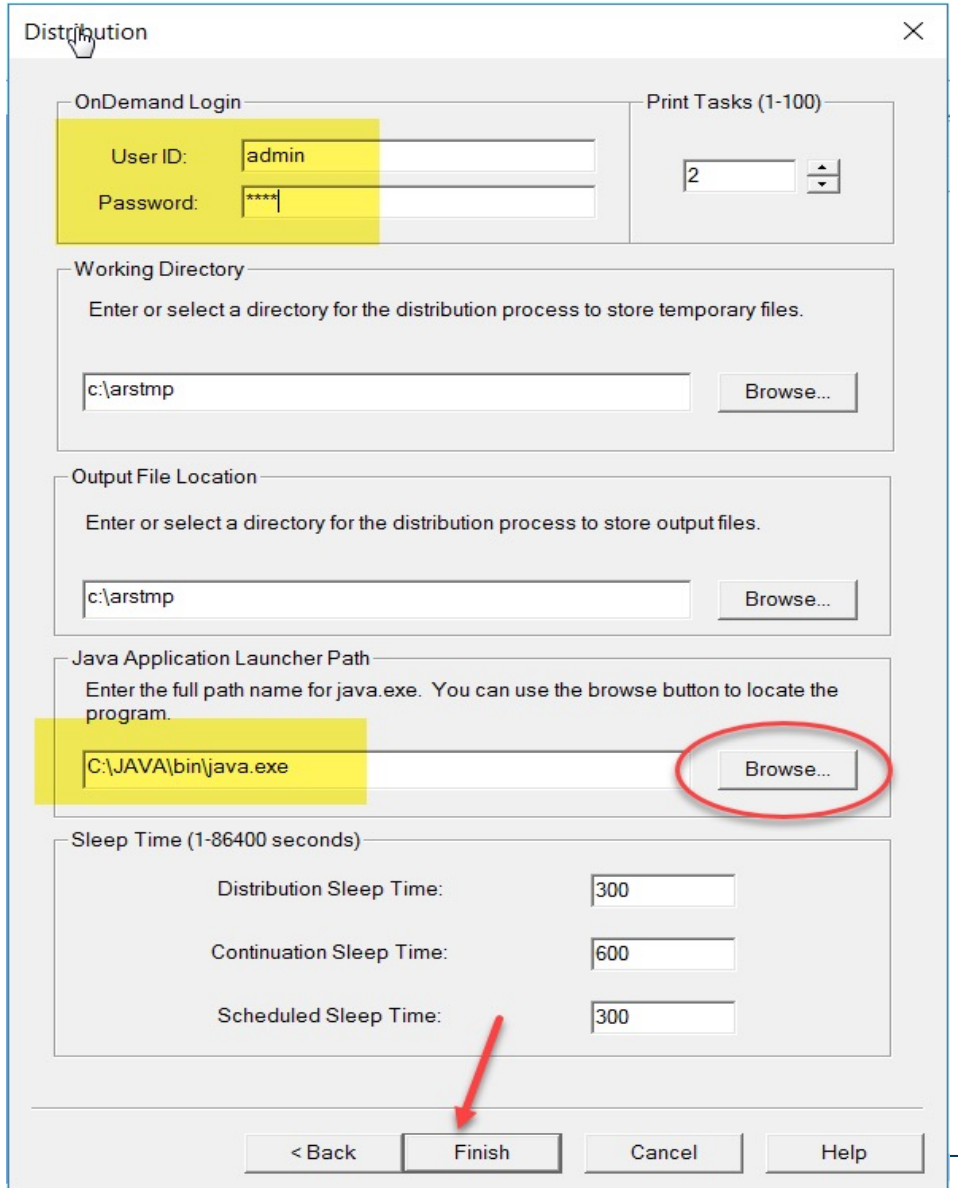
Setting up the Remote instance cont..

On the Load Panel

- Type in User ID “**admin**” and Password “**demo**” (for our labs) to be used for loading
- Click on “**Add**” in the Data Directories section
- Enter or browse to a directory for placing data to be loaded in CMOD. “**C:\arsload**” is the default
- Click “**OK**”
- Click on “**Next**”



Setting up the Remote instance cont..



On the Distribution Panel

The Distribution refers to the OnDemand Distribution Facility feature, which may or may not be installed. But we need to complete this panel.

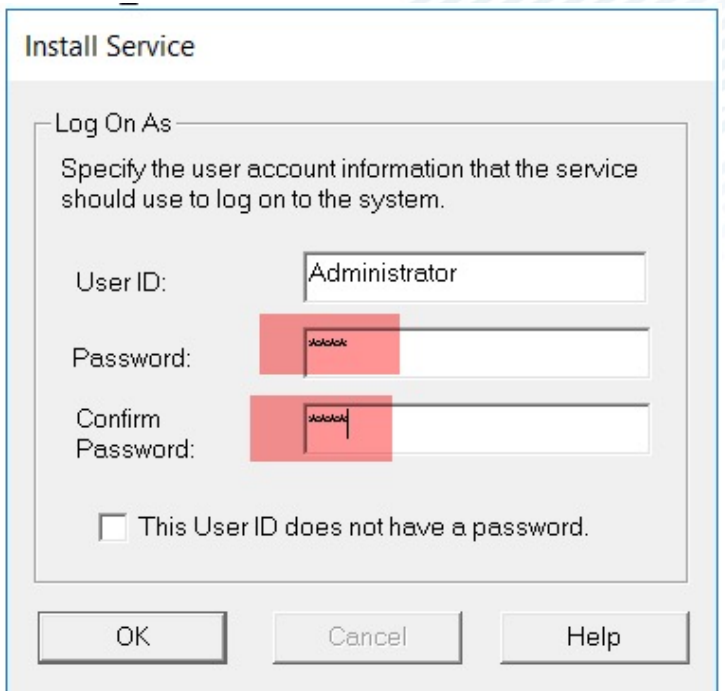
Type in User ID "**admin**" and Password "**demo**" (for our labs) to be used for (main) CMOD access

- Take defaults for Working Dir and Output File Location
- For JAVA, browse to the location of installed JAVA "**C:\JAVA\bin\java.exe**"
- Take all other defaults
- Click on "**Finish**"

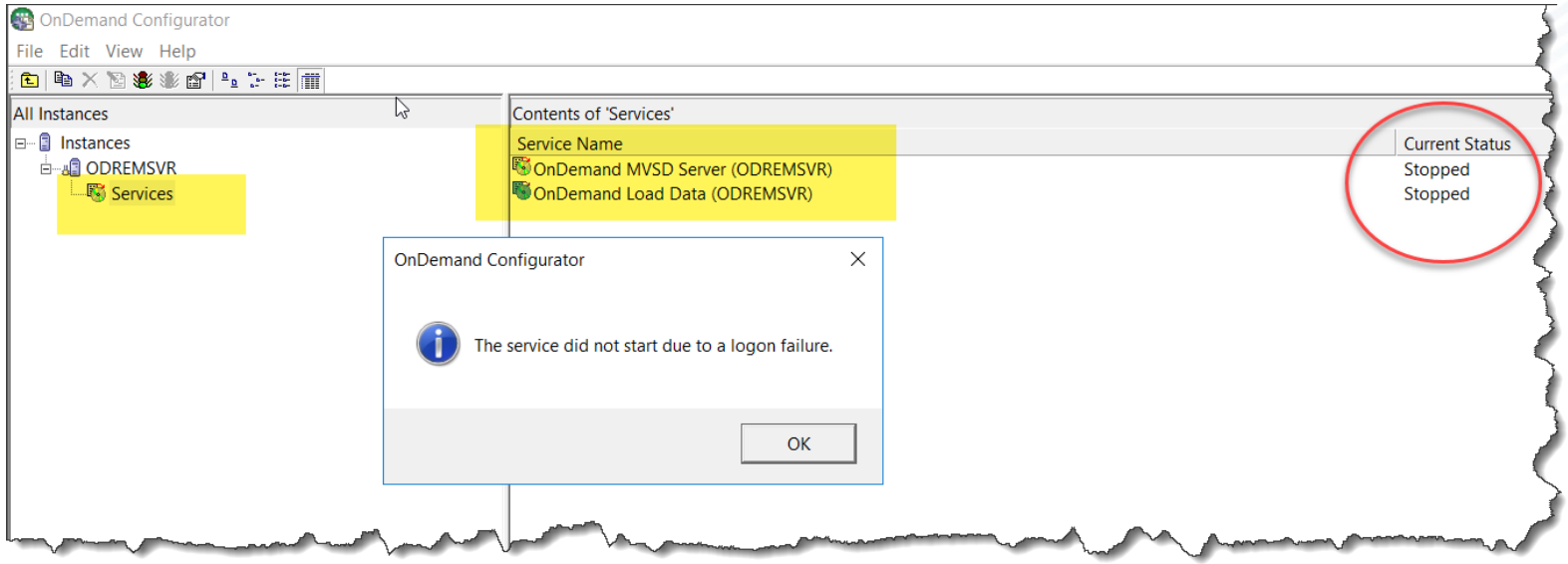
Setting up the Remote instance cont..

On the Install Service Panel

- Type in the Administrator password “**demo**”
- Click on “**OK**”



Starting Load Data Service

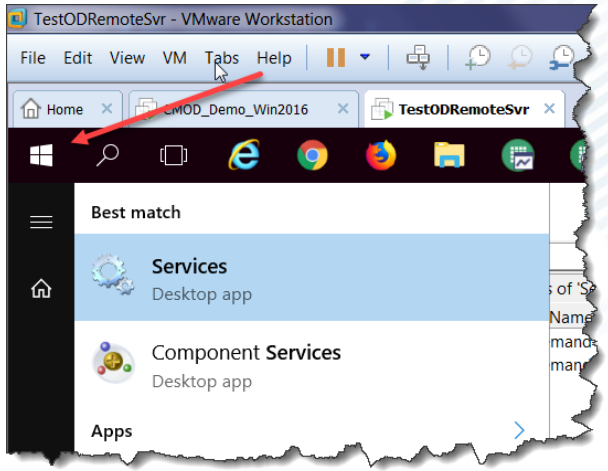


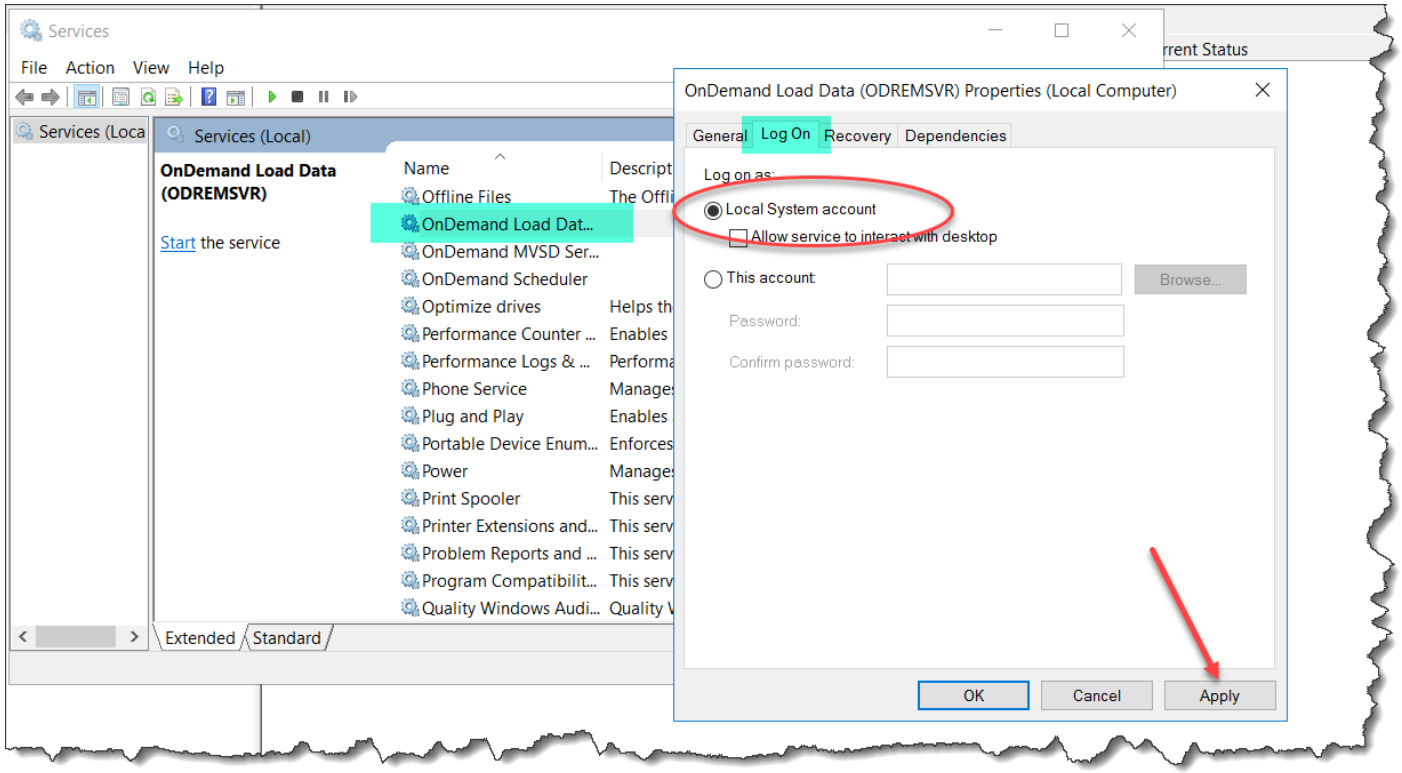
You should see your new Instance (ODREMSVR) in the Configurator

- Expand "**+**" the instance and you will see Services. The Remote Instance installs two services, OnDemand MVSD and OnDemand Load Data. MVSD is for downloading data from an zOS (mainframe) and will not be covered in this Lab. Load Data is for, as the name implies, loading data. We need this service for the Lab.
- If you "**right click**" on "OnDemand Load Data" and try to "**Start**" the service, you will get a logon failure error. We need to fix that by going to Windows Services
- Click on "**OK**"

Fixing Window Service issue

- Opened “Windows Services” (click on “Wind**ows Start icon**”, type in “**Services**”, open Services)
- Scroll down to “**OnDemand Load Data**” service
- “**Right click**”





- Click on “**Properties**”
- Click on “**Log On**” tab
- Click on “**Local System account**”
- Click on “**Apply**”
- Click on “**OK**”
- “**Right click**” on “**OnDemand Load Data**” service and “**Start**”
- Service should now start and show as “Running”

Recap

- You set up a VMWare image to install a remote instance of CMOD
- You configured communications between your remote instance and the main CMOD server
- You installed CMOD
- You installed one or more CMOD features (PDF Indexer in this Lab)
- You updated CMOD and Features by installing CMOD Fixpack
- You installed CMOD Clients
- You set up your remote instance and connected it to your main CMOD server
- You set up the OnDemand Load Data server (a Windows Services)

- **Now we will show you how to use your new remote CMOD instance (server)….!**

PDF Indexing (remotely)

Remote - PDF Indexing

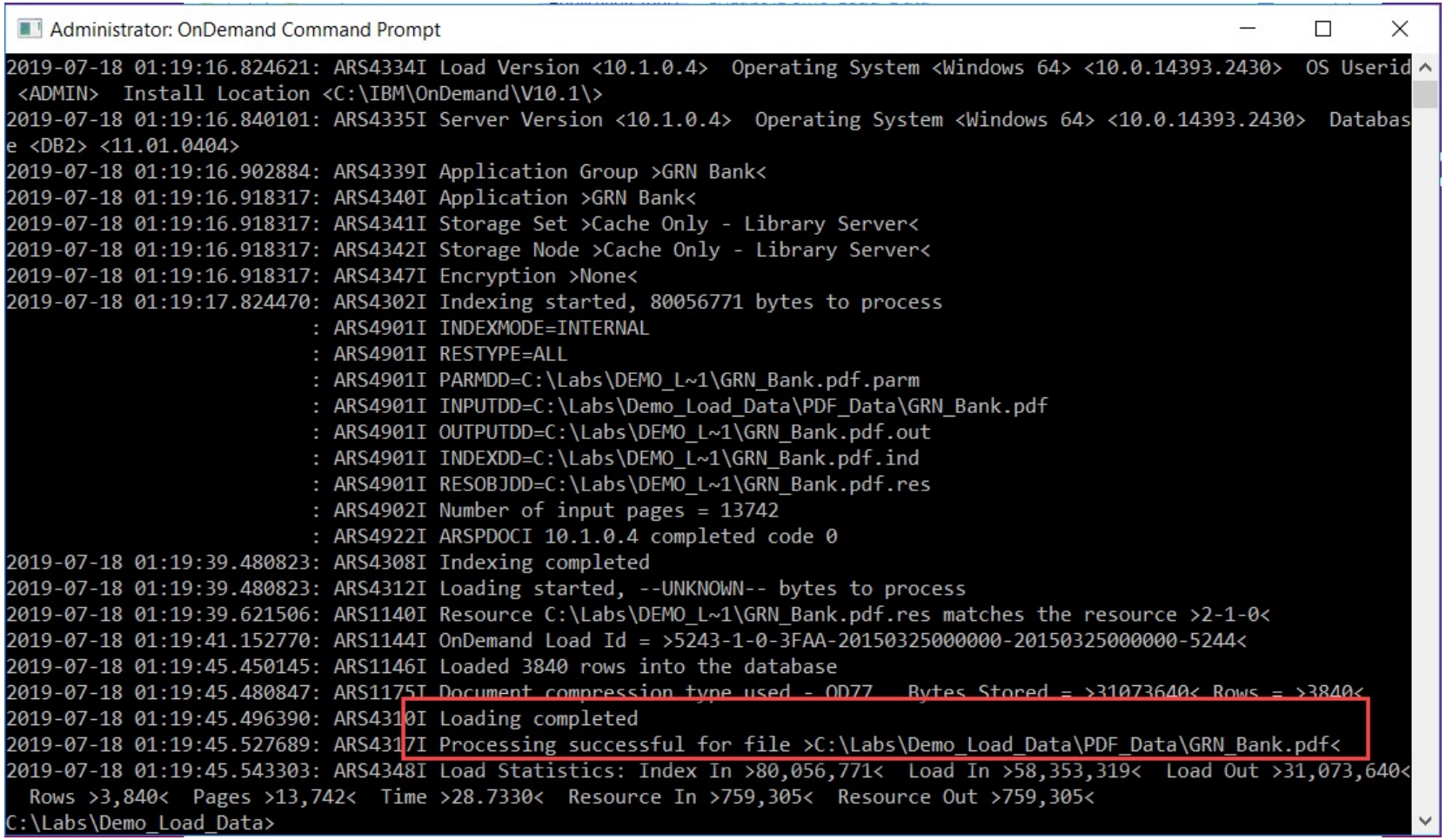
You should have a functional remote CMOD Server for PDF Indexing (or other things)

- You can use the ARSLOAD command **or** the automatic CMOD Load Data service (which you started earlier) just like you would use on your main CMOD server.

- When you use the ARSLOAD or Load Data service on the remote CMOD server, all the indexing and compression is done on the remote server, BUT, loaded on your main CMOD server! So, you are off loading most of the work for loading from your main CMOD to your remote CMOD system.

Loading the data using ARSLOAD command from .bat file

- You should see the data loading



Checking that the data loaded on main CMOD server

- To check if the data “really” was loaded on the main CMOD server
- **Go to** the main CMOD server
- **Open** the “**OnDemand Client**”, **logon**
- **Open** the “**System Load**” Folder
- **Search** today (or just hit enter) and you should see two loads, one from the manual ARSLOAD command and one from the Load Data service