ILC Monitoring Agent Installation Guide

Month 2018

Version 0.11

Company Information

Document Revisions

Date	Version Number	Document Changes
17/09/2019	0.11	Initial Draft

Table of Contents

1 Introduction 5
1.1 ....Scope and Purpose *5*
1.2 ....Process Overview *5*
2 [Process/WorkFlow 1] 6
2.1 ....ILC network configuration check *6*
2.1.1 [Go to Windows properties]: 6
2.2 ....[Check Internet Connectivity] *7*
2.3 ....[Then log into the website] *7*
2.4 ....[Download Script Files] *7*
2.5 ....[Installing script] *8*
2.6 ....[Configuring Task Schedule] *8*
2.7 ....[Configuring Task Scheduler] *9*
2.8 ....[Confirmation on File sending] *11*
2.9 ....[Add School Data in the database] *11*
3 Appendices 13
4 Index 14
4.1 ....Style Sheet Information *14*
5 Heading 1 14
5.1 ....Heading 2 ..... *14*
5.1.1 Heading 3 14

1 Introduction

1.1 Scope and Purpose

The ILC monitoring dashboard is a unique solution for monitoring 640 ILCs distributed all over Bangladesh in 64 districts. The agent will collect basic information from ILC and push raw data to ILC monitoring central server. The ILC monitoring is based on "push technology" due to lack of IP (Internet Protocol) address. ILC monitoring agent in each ILC periodically collects data using Internet Control Message Protocol (ICMP) and pushes data to central server using File transfer protocol (ftp). In order to optimize duration of connection and volume of data, the agent rearrange Windows Active Directory information to cater with ILC monitoring requirement. For this reason, the agent can push data in an environment where network connection is not good.

The purpose of the ILC Monitoring Agent Installation Guide is a step by step guide to set correct environment for the Agent and its installation. A successful installation will be reflected over Monitoring Dashboard web page.

Before installation, the user should have some knowledge of ILC network, preliminary idea on Microsoft Windows server operation and maintenance and basic knowledge on Internet Protocol.

1.2 Process Overview

The installation need to follow the instruction provided here will connect ILC with central server.

2 [Process/WorkFlow 1]

Installation of ILC monitoring Agent at ILC server will be done in three steps.

Step 1: Check ILC network configuration is ready for Monitoring Agent.

Step 2: Install Monitoring Agent and configure its installation.

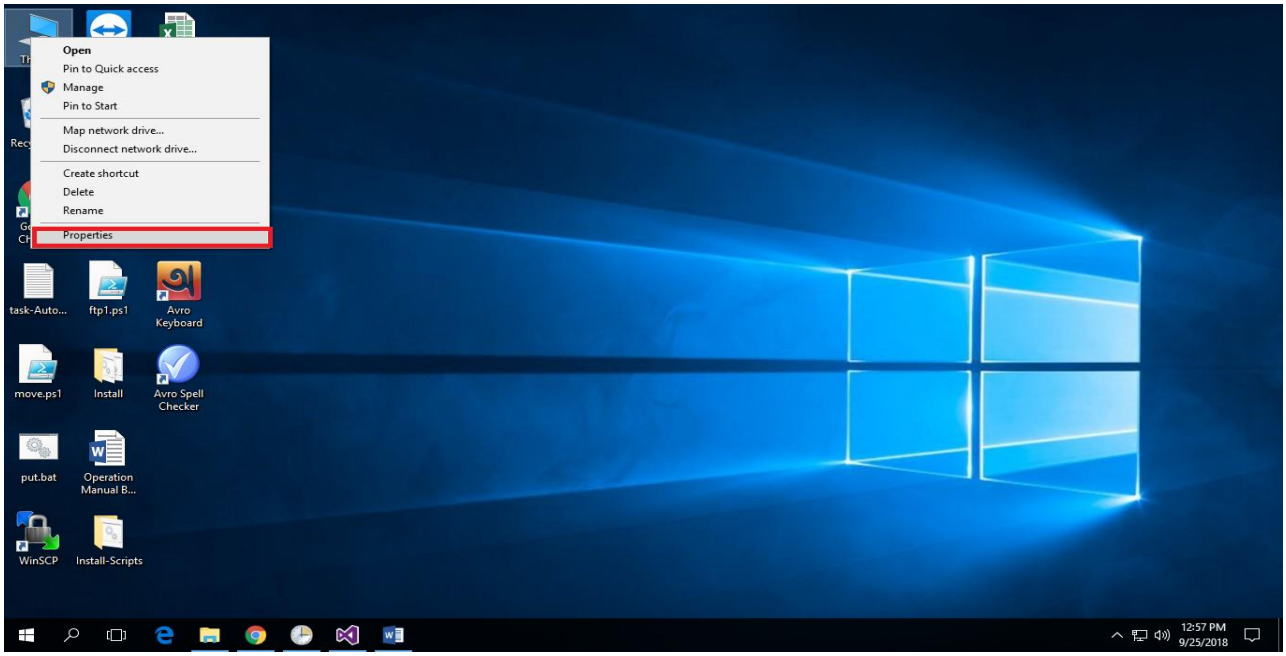
Step 3: Enter school information and check update after a stipulated time (e.g. currently 15 minutes).

2.1 ILC network configuration check

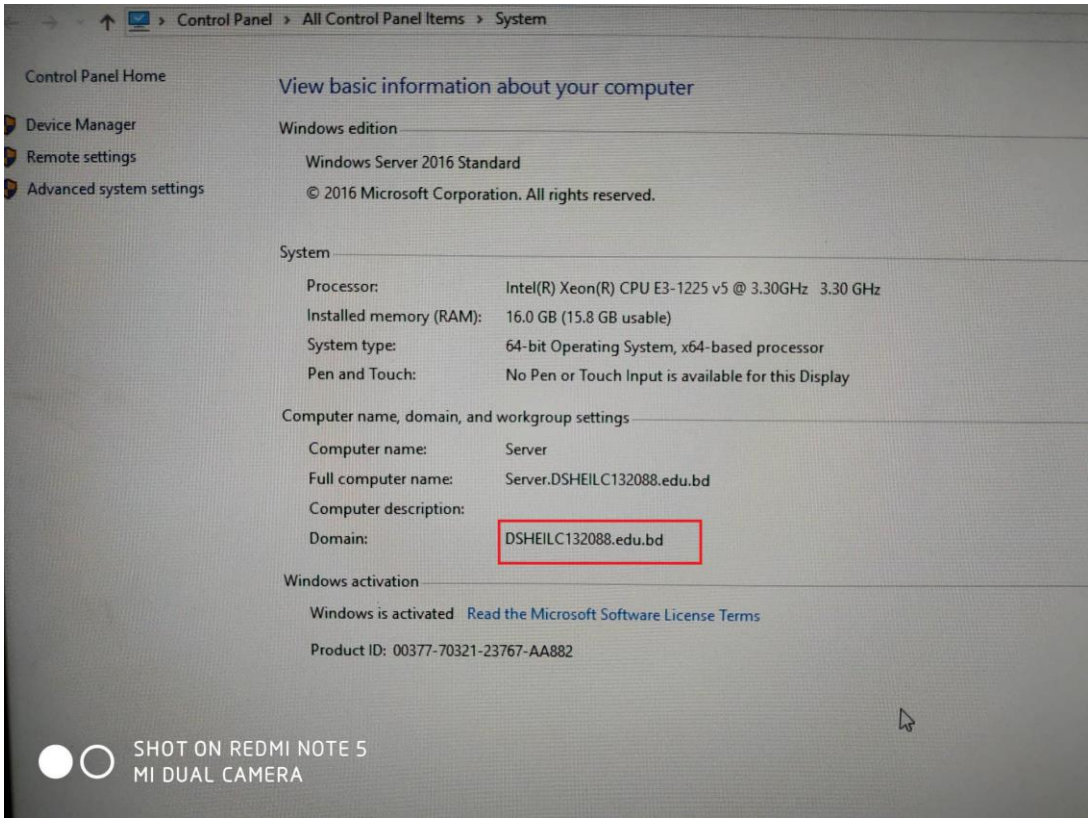
This is to check whether the ILC center is configured correctly or not. To check it out, please do the following.

2.1.1 [Go to Windows properties]:

First Check out whether the domain name is ok or not. To do it you have to right-click on "**This PC**" from desktop and select properties just like below



After selecting you are expected to see something like this



That domain name should contain "DSHEILC[**6 digits EIN of the school**].edu.bd"

2.2 [Check Internet Connectivity]

Then Check out whether the internet is working or not. To check internet connectivity, try to browse any web page e.g. http://103.234.26.37/dashboard

2.3 [Then log into the website]

Go to the link http://103.234.26.37/dashboard and log in with your user name & password.

2.4 [Download Script Files]

After logging into the website, you need to download the scripts file which will be under download bar.

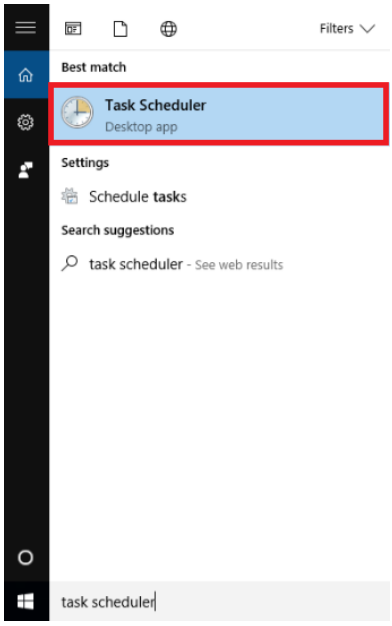
2.5 [Installing script]

After successfully downloading the script files you need to **unzip** it then find file named **Install.bat** from the given files and click on it. This will create two scheduled tasks at task scheduler named respectively users and ftp.

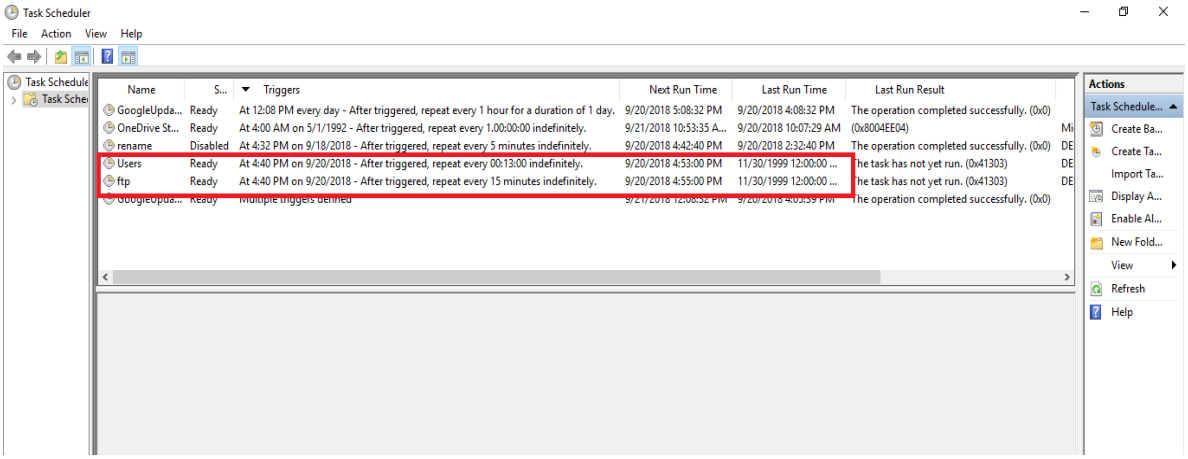
2.6 [Configuring Task Schedule]

The steps are given as below:

i. Press the **windows** button and type Windows Firewall. Then the following screen will be shown:

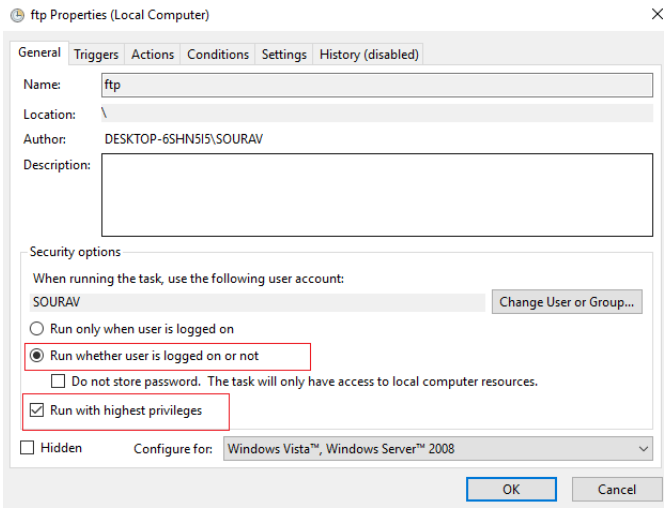


ii. Now by clicking on the task scheduler then click on Task Scheduler Library you will find something like this.

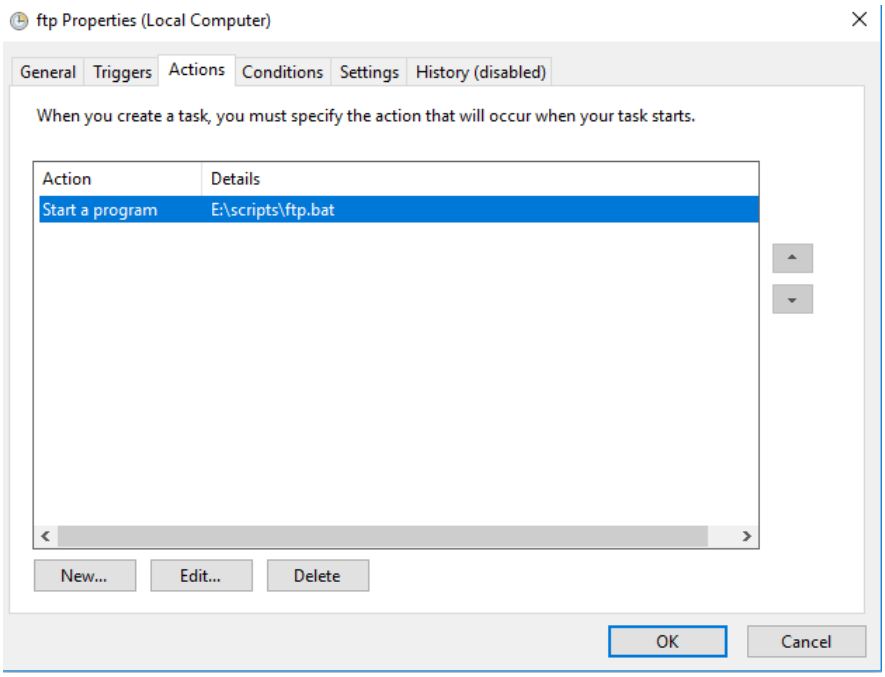


2.7 [Configuring Task Scheduler]

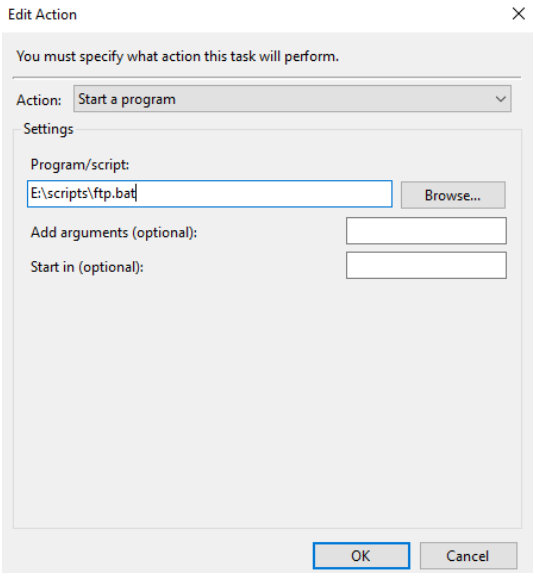
i. Double click on ftp and this window will pop up then you check these options just like below.



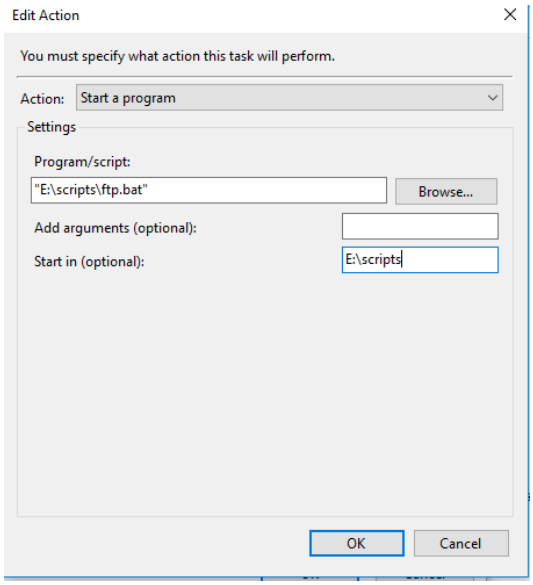
ii. Then you have to select action part of that window and something like this will appear.



iii. Double click on the "**Start a program**" and this will appear



iv. Now you have to put a quotation sign **("")** around E:\scripts\ftp.bat e.g. "**E:\scripts\ftp.bat**" & write E:\scripts in the field Start in (optional) just like this



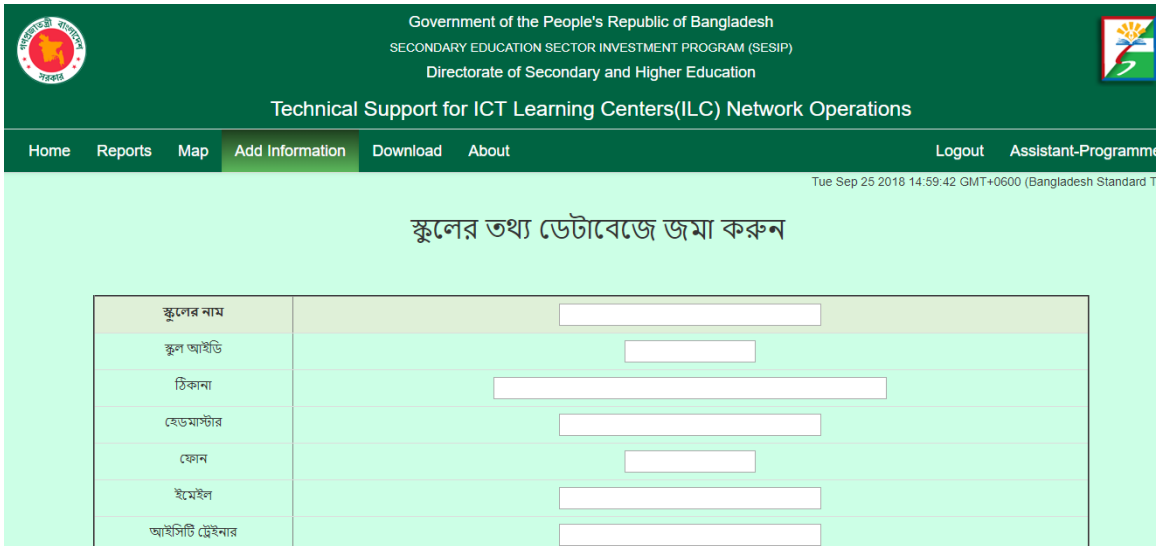
v. Now click ok to everywhere you meet.

2.8 [Confirmation on File sending]

Now wait for about 15 minutes and make sure that the text file is populated to the central server (contact with the personnel).

2.9 [Add School Data in the database]

After being confirmed that the text file is populated, then you need to go to then web page select "**Add Information**" from menu bar and add all the information correctly. Be very careful while adding these information



Now you are done and many congratulations to you for getting it done!

For any query, contact with the given numbers

1. Ahnaf Shahriar (01737-783615)

2. Shomnath Pramanik (01767-142501)

3. Sourav Mondal (01746-943097)

3 Appendices

TBD

4 Index

TBD

4.1 Style Sheet Information

The following styles have been set up in this template. Avoid applying manual character formatting to the document. Applying these styles will assist in the conversion process if the document is to be laid out in a structured authoring tool, content management tool, or an HTML editor.

Style Name	Apply to
Title	Title as listed on the cover page of the document
Subtitle	Subtitle as listed on the cover page of the document
5 Heading 1	Chapter Name or Process or Workflow
5.1 Heading 2	Subsection or SubProcess or Workflow step
5.1.1 Heading 3	Subsection 2 or Procedure
Callout Block Copy Note	Notes, cautions or warnings, use arrow graphic on the left margin
Chapter Body Copy	Generic text following a heading
• Chapter Body Copy – Bullet	Unordered list within a section or subsection, sometimes within a Step to indicate alternative ways to do something.
○ Chapter Body Copy – Bullet 2	A secondary unordered list, within a higher level ordered or unordered list
1. Chapter Body Copy – Step	An ordered list (sequential) used in a procedure to indicate the order of actions to be taken
a) Chapter Body Copy – Step a	A secondary ordered list, e.g. substeps in a procedure
Chapter Body Copy – Indent	Sets additional text inward so that it aligns with either Chapter Body Copy – Bullet or Chapter Body Copy – Step

Style Name	Apply to
Chart Body Copy	Text within a table
Chart Header Information	The first row of a table.
Caption	Descriptive text for a table or graphic.
Header	Text that appears at the top of each page.
Footer	Text that appears at the bottom of each page.
Chart Title and Footer Info	Copyright and other front matter preceding the Table of Contents; additional information used to footnote or provide a legend for a table.
TOC Heading	Heading used for Table of Contents, Table of Figures (if applicable), and the Document Revisions pages of the front matter to the document.
TOC 1	TOC display information for a chapter. Generated automatically from Heading 1.
TOC 2	TOC display information for a sub-section. Generated automatically from Heading 2.
TOC 3	TOC display information for a subsection 2. Generated automatically from Heading 3.
[Template Instructions]	Guidance on building out the user guide. Should be deleted prior to publishing.