DELHI DEVELOPMENT AUTHORITY (SYSTEMS DEPTT.) New Delhi

> **TUTORIAL** Digital Signatures (DSC) Setup

> > Version v_1.0 September 2019

DSC Signer Service

Following are the key steps in DSC Signer Service installation for E-Office

- 1. Installation of java
- 2. Installation of DSC Signer Server
- 3. Manually START the DSC Signer Service Installer
- 4. Add a self-signed certificate for https in chrome browser & actions to import SSL certificate
- 5. Token Driver Installation
- 6. Register DSC certificate in eFile

Step 1: Installation of java

- Locate the java setup from the downloaded bundle.
- Double click on the Java setup for installation

ዿ JavaSetup8u211	6/4/2019 6:12 PM Application	1,996 KB
	FIG-1	

• After the above step, click on install as shown in fig-2(a)

Java Setup - Welcome	C	
Welcome to Java - Updated Licer	nse Terms	
The terms under which this version of the software is Updated License Agreement This version of the Java Runtime is licensed only for your personal (use. Commercial use of this software requires a separate license from C Click Install to accept the license agreement and install Java now or system. No personal information is gathered as part of our install process.	licensed have changed. non-commercial) desktop and Oracle or from your software v click Remove to uninstall it fro Details on the information we	laptop endor. m your <u>collect</u>
Change destination folder	Install	Remove
FIG-2(a)		

• Installation will start as shown in Fig.2(b).



FIG-2(b)

• When above steps are completed then a box appears with the text: "Successfully installed Java".





Step 2 : DSC Signer Server installation

• Locate the DSC_Signer_Service.exe file from the downloaded bundle.

• Double click on the DSC_Signer_Service.exe to start the installation as shown in Fig.4.

Name	Date modified	Туре	Size
SC_Signer_Service	4/8/2019 9:51 AM	Application	24,116 KB

FIG-4

• For a custom installation, click Browse () button, select the directory as shown in Fig 5 and click Next () button.

OR

For default installation, click Next () button, as shown in Fig.5

DSC Signer Service: Installation Folder		—		×
Setup will install DSC Signer Service Installer in the follo folder, click Browse and select another folder. Click Nex	wing folder. To at to continue.	install in a	different	
Destination Folder				-
Destination Folder ram Files (x86) Wational Informatics Centre DSC S	gner Service	Brov	vse	
Destination Folder ram Files (x86) Wational Informatics Centre DSC Si Space required: 22.1 MB	gner Service	Brov	vse]
Destination Folder <u>ram Files (x86) Wational Informatics Centre DSC S</u> Space required: 22.1 MB Space available: 392.1 GB	gner Service	Brov	v5¢]

FIG-5

• DSC Signer Service: License Agreement window appears, read the agreement and click I Agree () button as shown in Fig-6

Instructions:			~
1. DSC Signer Service 2. This service will be	uses port 55100 for HTTP & 55101 consumed by any eOffice web app	for HTTPs. lication using DSC.	
2 Liner can't une DEC	without installing this say ins	in the second second second	
s, user can tuse DSC	without installing this service.		
NOTE: For more inform	nation kindly go through the Dsc In	stallation Guidelines d	locument.
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NOTE: For more inforr URL to download Dsc Go to DSC -> DSC Sig Readme	Installation kindly go through the Dsc In Installation Guidelines: <u>https://docs</u> ner Service (V4.0) User Guidelines OR Iational Informatics Centre	stallation Guidelines d s.eoffice.gov.in/	locument.

FIG-6

• The process may take some time for the complete installation, click on OK on the DSC Signer Service pop-up implying creation of shortcut on user's desktop as shown in Fig-7



FIG-7

• Click Close () button (Fig.8), the DSC Signer Service is successfully installed

DSC Signer Service: Completed			Vela		×
Completed					
Show details					
eOffice Project Division, National Informatics Centre	-				
	< Back	Clos	se	Ca	ncel



- This completes the installation of DSC Signer Service for Windows user(s)
- A shortcut is created on the desktop, named DSC Signer Service.



FIG-9

Step 3: Manually START the DSC Signer Service <u>Installer</u>

- Double click the desktop icon "DSC Signer Service".
- The service will take few seconds to start.
- A message prompts "DCS Signer Service started successfully", as shown in Fig-10



<u>Step 4 :Add a self-signed certificate for https in</u> <u>chrome browser & actions to import SSL certificate</u>

• Open the Chrome browser and enter the URL <u>https://127.0.0.1:55101/check/isLive</u> as shown in Fig 11



FIG-11

- The browser will notify the user to add the exception into the list (Fig 12)
- Click Advance () button to add an exception (Fig 12)
- A message box appears, click Proceed to 127.0.0.1 (Unsafe) () button as shown in Fig 12

Your connection is not a	orivate
Attackers might be trying to steal you passwords, messages, or credit cards).	r information from 127.0.0.1 (for example,
NET::ERR_CERT_AUTHORITY_INVALID	
Help improve Safe Browsing by sending Privacy policy	g some system information and page content to Google.
Hide advanced	Back to safety

FIG-12

• The browser will confirm and displays the message "Success" as shown in Fig 13



FIG-13

- Additionally, go to browser and type "chrome://flags/#allow-insecure-localhost" in address bar.
- Searched flags screen will appear highlighted in yellow, select Enabled to allows requests to localhost over HTTPS even when an

selfsigned certificate is presented– Windows



FIG-14

Step 5: Token Driver Installation

The token drivers will get installed automatically based on the operation system currently running in your system, once you plug in the DSC USB Driver to the USB port.

Step 1: Plug-in the DSC USB Driver which you have got from eMudhra. The drive will run automatically and the user will see the below pop-up (TD. Fig1).



TD. Fig1

Step 2: Click on Open folder to view files to exploder drive's content (TD. Fig2).

🔾 🔾 🗸 🚺 🕨 Comput	er 🕨 CD Drive (F:) WD PROXKey			
Organize 🔻 Share wit	th 🔻			
	A	D. (T	C.
🚖 Favorites	Name	Date modified	Туре	Size
🧮 Desktop	🛍 Autorun	7/3/2018 8:15 AM	Setup Information	1 KB
〕 Downloads	🔂 PROXKey	8/17/2016 8:41 AM	Icon	5 KB
🖳 Recent Places	🗟 Setup	8/17/2016 8:41 AM	Application	40 KB
	Setup	8/17/2016 8:41 AM	Configuration sett	1 KB
🥽 Libraries	🔂 WD_PROXKey	7/20/2018 6:42 AM	Application	1,881 KB
Documents				
👌 Music				
Pictures				
Videos				
🖳 Computer				
🏭 Local Disk (C:)				
👝 Local Disk (D:)				
G CD Drive (F:) WD PR				
👊 Network				

(TD.Fig2)

Step 3: Double click on Setup (Type: Application) to start the setup. Allow all further pop-ups regarding the concerned Setup. After all the steps, the user shall see the following pop-up (TD.Fig3) denoting successful installation.

💼 Install ProxKey	Token Tool	
		Watchdata
	PROXKey Token Tool installed successfully	,
		Finish

TD.Fig3

Step 4: Click on *Finish*. Once you install the token drivers, restart the system once.

Step 6: Register DSC certificate in eFile

For re-registration of DSC certificate in eFile, perform the below mentioned steps:-

 ♦ https://ddaeoffice.org.in/cas/log ♦ → C ■ ddaeoffice. 	× +	%2F%2Fddaeoffice.org.in%2Flogin.php	 Q \$
		Thu Sep 19 10:23:34 IST 201 Control Control C	
		All completes/queries related to exPlice should be registered through air 24x7 NLC Service Ded. Website: https://servicedes.knc.in.Toll Francis00-111-555 Copyright © 2009-12, This site is designed, developed and Hosted by NLC.	

FIG-15

• Enter your credentials and click on login. (Only the username should be entered in the Login ID field not the Domain name (@nic.in / @gov.in))

• E-Office home screen appears, click on file management system as shown in fig-16

			(номе	DIRECTORY			
Quote of the week Comparison of the service Comparison of the service Co	To succeed in your n es System ement System stion em Details gement ns	Notice Board • IT Policy for Laptor officers in DDA. Nitin Joshi ON 09/08/201	ingle-minded devotion o allocation/entitlemer	t to your goal	Abdul Kalam	bove	आत नग शब्द Affranchise - সন্যাযিকাৰ देना News Noted author and colur Khushwant Singh diesa Two objects spotted por related to MH370: Aust Meira Kumar, Giriraj Sir nominations papers EVENTS No Event Available	nnist t 99 ssibly alla gh file (more)
Employee Corn Birthday Wishes Superannuation Joined Today Payslip Image: Image: Image and the i	er si ard	eoffice.gov.in Rep	ort Issue Submit Feedb	G ack eOffice	Training Learning Re	sources		(more)
_		Design an	nd developed by National In data.gov Gyrs Gavenner Day (201) Flaffers bid	formatics Centre	e (NIC) © 2019 Version 6: ⊃ SWACHH BHARAT	• .gov.in		

FIG-16

• In the available options on the left navigation pane, click on *DSC*

						earch			
	Date Range :	26/07	/2016 To 19/0	9/2019					
eceipts (+	Receive S	end Bi	ack Send Vi	ew Move To More		Hierarchi	cal View My Files		
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• In the resulting dropdown, click on *DSC REGISTRATION*

Yellow Note External Files

Powered by National Informatics

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it 🛨											

LEGEND 🔪 Priority 🛽 Out Today 📕 Most Immediate 📲 Immediate 🔹 Action Initiated 🏠 Other Department 📑 Files with Draft 📑 Draft Note

FIG-18

Subject Category ACR Right To Information Court Cases Parliament Matters

• The Certificate Information screen appears, click on *Register DSC* () link, as shown in Fig-19

≡ eFile ve	rsioe 5	5_11			Re	register to use OSC Sig	ning Search J	💴 Advanced 🕐 🕲 🔐
Receipts	۲	Certificate Information						Register DSC
Files	•	SLNo. Certificate	Туре	Validity	Enroll Date	User Name	DeActivation Date	
Dispatch	•	1 OS eMudhra Test 3	Signing	08/11/16 11:24 AM	25/02/19 11:50 AM	RETU		
DSC	•							
+ DSC Registratic	an							
Settings Notification	•							
Ext Department	•							
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d in 1024x768 pixe

FIG-19

• The DSC Registration screen appears, wait till the certificates appear and then click on *Register* () button associated with the desired DSC certificate, as shown fig-20

≡ eFile Version	5.5_11				Searth	Advanced () 🗿 🚱
	DSC	Registration				
Necepts 🛨	SLNo	. Serial No	Issued To	Issued By	Тура	Expiry Date
Files 🛨	1	12468426	CN=DS eMudhra Test 3, OID.2.5.4.51=no 56 test test	CN=e-Mudhra Sub CA Class 2 for Document Signer 201	Digital Signing	Sat May 11 11:24:34 IST 2019 Register
Higrate File 🛛 🗄	2	81080089768820471822213	EMAILADORESS=effledexeoffice@nic.in, CN=8ipin, OU	CN=vpnca, DC=intranet, DC=nic, DC=in	Digital Signing & Key Encipherment	Fri Jan 03 15:19:13 IST 2020 Register
Dispatch 🛨						
DSC 😑						
 DSC Registration 						
Settings 🔳						
Notification 🔳						
	J					

FIG-20

• The Verify User PIN pop-up appears, enter the User PIN and click Login () button, as shown below

1 1248428 CN=D6 eNudma Test 3, OD.2.5.4.51=no 56 test test CN=Nubma Sub CA.Class 21nr Document Signer 201 Digbal Signing Sat May 11 1124.34 IST 2019 B abs 764 0 abs 764	cespes	÷	SLNo	Serial No	issued To	Issued By	Type	Expiry Date
atter File 2 819800000758820471822213 EMMLADDRESS-effedeveatfice@mic.in, CN-Bipin, OL. CN-eprice, DC-ein Digital Signing & Key Enclipherment Fil Jan 03 15:19:13 IST 2020 R etch etch etch etch file	88	+	1	12468426	CN=DS eMudhra Test 3, OID.2.5.4.51=no 56 test test.	CN=e-Mudhra Sub CA Class 2 for Document Signer 201	Digital Signing	Sal May 11 11:24:34 IST 2019
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How verify your User PBI:	tings	+						
User PDI:	ification	+			See Now year	y your User PDI:		
					Change User Pl	Enable soft keyboard		

FIG-21

• The Alert box appears, displaying message "DSC Registered successfully", click OK () button as shown in Fig. 22

	_	DSC	Registration							
leceipts	۰	SLMo.	Serial No	Issued To		Alert		Type	Expiry Date	
Files	۰	1	12468426	CN=DS elitudiva Test 3, OID.2.5.4.51=no 56 test test		DSC Registered successfully.	201	Digital Signing	Sal May 11 11:24:34 IST 2019	Regis
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FIG-22

• After successful DSC registration, click on Settings in the left navigation menu as shown in Fig.23



FIG-23

<< < > >>

Copyright © , NIC.

• In the resulting dropdown, click on *Preference* as shown in Fig.24.

\equiv eFile Version 5	5.6	Search	ρ	Advanced 🕐 🗈 😚
Receipts +	General Settings			
Files +	Max # of records/page Choose One V			
Migrate File 🔫	Note AutoSave Duration(In			
Dispatch (+)	Sec)			
DSC 🛨	Alert Settings			
Settings 😑	Email SMS Both None Enter Email dst.eoffice@nic.in Enter Phone Number			
Preferences	List View Settings			
Address Book User Groups	Mode Default V			
Deactivate DSC	Scope Default V			
Transfer	DSC Settings			
Report Permissions	Authentication Signing Both			
Search Privilege	Editor Setting			
Exclude Closed Files/Receipts	Noting Expanded View			
Quick Noting	Correspondence View Settings			
User Registration	Correspondence View Type Choose One 🔻			
Bulk Closing	Notify For Blank Noting			
Notification +	Ves 🖲 No			
Ext Department (+)	Notification on Login			
Audit 🛨	🖲 Yes 💿 No			
	Save			

FIG-24

• Now click on *Signing* under the *DSC Settings* section as shown in Fig 25.

\equiv eFile Version 5.6	Search	Advanced	🕐 🕒 🐨 🗋
Receipts + General Settings			
Files Max # of records/page Choose One			
Migrate File Note AutoSave Duration/In			
Dispatch (+) Sec)			
DSC +			
Settings			
Preferences List View Settings			
Address Book Mode Default			
Descrivate DSC Coope Default			
Transfer			
Report Permissions			
Search Privilege Authentication Signing Both			
Section Assignment			
Exclude Closed Noting Expanded View Draft Expanded View			
Quick Noting Correspondence View Settings			
▶ User Registration Correspondence View Type Choose One ▼			
Bulk Closing Notify For Blank Noting			
Notification + O Yes No			
Ext Department 🕘 Notification on Login			
Audit 🔹 🖲 Yes 💿 No			
Save			

no.eoffice.gov.in/eFile/?x=IBMHsP4B5S--69qP*orbX2sNT5Uhr787fS...

• After doing above steps click on save to complete the process.

≡	eFile Version S	5.6 Search 🖉 Advanced 🕜 🕒 😚 –
_		
Rece	sipts (+)	
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rites	• •	Max # of records/page Choose One •
Migr	ate File 😐	Note AutoSave Duration(In
Disp	atch 🛨	Sec)
DSC	(+)	Alert Settings
Satt	inge 🗐	Email SMS Both None Enter Email dist.coffice@nic.in Enter Phone Number
> Dette	eferences	
+ Ac	Idress Book	List View Settings
► Us	er Groups	Mode Default V
► De	activate DSC	Scope Default Y
) Tr	ansfer	DSC Settings
► Re	port Permissions	
) Se	arch Privilege	Authentication Signing Stoth
) Se	ction Assignment	Editor Setting
+ Ex	clude Closed	Noting Expanded View Draft Expanded View
1.0	lick Notion	Correspondence View Settings
) Us	er Registration	Correspondence View Type Choose One 🔻
► Bu	Ik Closing	Notify For Blank Noting
Noti	fication 🛨	© Yes ⊕ No
Ext	Department 🔳	Notification on Login
Aud	it 🛨	⊛ Yes ◎ No
		Save

FIG-26