

West Bengal State Data Center Under Department Of IT&E



Historical Insight

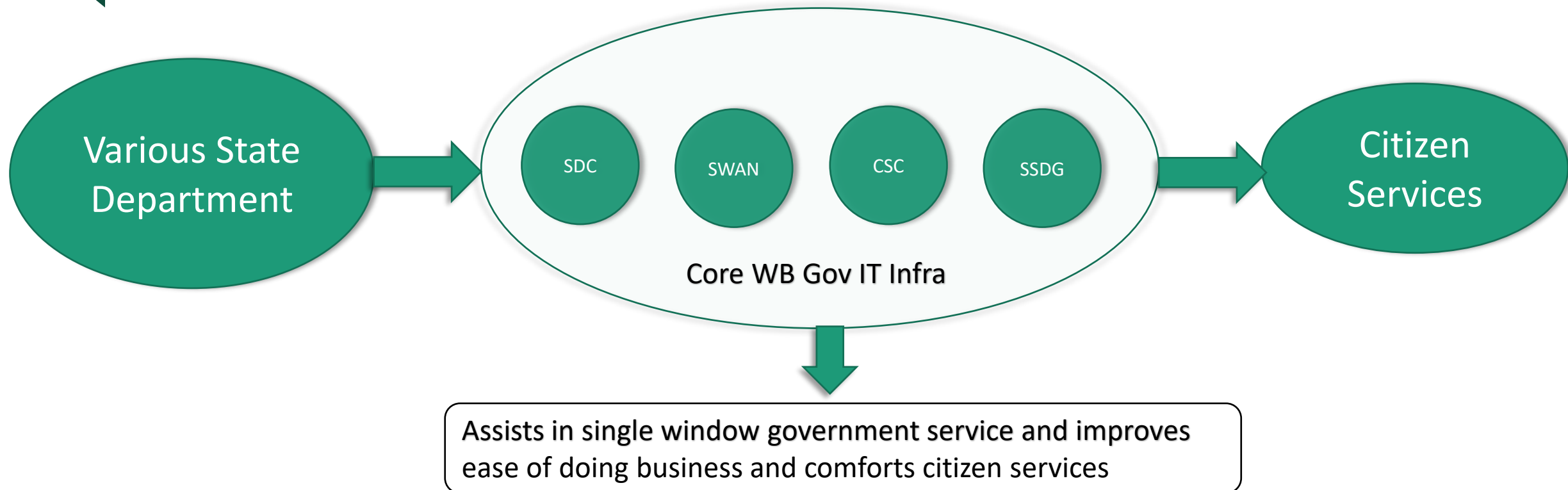
- Established in 2010 for on-premise hosting and managing e-Governance Applications of the State Government under National e-Governance Plan (NeGP) of the Government of India.It was built on 5000 Sq. ft in 1st floor of Moni Bhandar building, Webel Bhavan, Salt Lake, Kolkata.
- After successfully running for seven years, WBSDC has been revamped on **7000 Sq. Ft** area in the 2nd Floor of same building with new technologies and upgraded Network & Security devices.

WBSDC

who we are??

- ❑ Provision of **76 Racks** to be deployed in **3 phases** to cater the current demand.
- ❑ Total **70 Racks** have been installed at WBSDC.
- ❑ Fully **Orchestrated**, Cloud enabled Threat Protected, Security Compliant and automated data center.
- ❑ **Managed Virtualized Storage** with dynamic thin provisioning.
- ❑ Advanced security features like **Firewall** with IPS, Web access firewall, URL filter & Server security Solution.
- ❑ Expansion with Hyper Converged Cloud with 4 petabyte storage & 100 TB Memory.
- ❑ 1800 Plus VMs has been provisioned.

The Integrated e-Gov Infrastructure





WBSDC

IAAS

WBSDC is Providing Infrastructure as a Service Only
The Services Provided with in IAAS as mentioned.

- VM Provisioning and Monitoring (CPU, Memory, Disk utilization, Process (UP/Down))
- Anti-virus/ HIPS
- Power
- Cooling
- Space
- Storage
- LAN Connectivity
- Security (Network/ WAF/ IPS)
- SLB
- Additional storage space allocation
- Application load runner for Application load testing

WBSDC

IAAS Key Features

Hardware Resources

- **Virtualization:** WBSDC employs virtualization to offer scalable computing resources, allowing multiple users to share the same physical infrastructure while maintaining isolation and security.
- **Scalability:** Users can scale resources up or down as needed, adapting to changing demands without upfront investments in physical hardware.

Management and Maintenance

- WBSDC manages physical hardware, including servers, networking equipment, network security, antivirus protection, storage systems, backups, uninterrupted power supply, and cooling systems.
- Departments can focus on applications and data without the burden of infrastructure management.

WBSDC

IAAS Key Features

Cost Model

- WBSDC provides IaaS services **free of cost** to West Bengal State Government institutions, eliminating large upfront investments in physical infrastructure.

Disaster Recovery (DR)

- The DR setup in Purulia, West Bengal supports data replication for database servers of applications live at the DC.
- In case of a disaster at the DC, data can be restored seamlessly from the DR setup.

Service Portal

- WBSDC offers a service portal through which users can provision, configure, and manage their resources.
- All hosting requests must be submitted via the [WBSDC Hosting Portal](#).
- Departments must register at the portal to access resources. The procedure document is available in this document itself.

WBSDC

IAAS Key Features

Role of System Integrators (SI)

Departments are advised to employ System Integrators (SI) along with their application development teams.

SIs are responsible for configuring and maintaining the servers/VMs.

As per **Government Order No. 1142(56)-ITE-18011/3/2020 dated 18/09/2023**, the Department of Information Technology & Electronics has empanelled three companies from which organizations may choose their SIs.

WBSDC

IAAS Key Features

Security Compliance of WBSDC

- The security measures for the West Bengal State Data Centre (WBSDC) are designed to ensure the integrity, confidentiality, and availability of the data hosted within the data centre. Below is a detailed overview of the security requirements and practices followed by WBSDC.

General Security Measures

Access Control

- **Multi-Factor Authentication (MFA):**
WBSDC enforces MFA for all user accounts. This adds an additional layer of security by requiring two or more verification methods, such as passwords (something the user knows), security tokens (something the user has), or biometric verification (something the user is).
- **Strong Password Policies:**
A strong password policy is mandatory, requiring passwords to be at least 12 characters long and include a mix of uppercase and lowercase letters, numbers, and special characters. Passwords must be updated every 90 days, and reuse of old passwords is strictly prohibited.
- **Role-Based Access Control (RBAC):**
Permissions are granted based on user roles, ensuring users access only the information and systems necessary for their responsibilities, reducing unauthorized access risks.

WBSDC

IAAS Key Features

Data Encryption

- **Encryption at Rest:**
All sensitive data stored on WBSDC servers is encrypted using Advanced Encryption Standard (AES) with a 256-bit key or higher, protecting data even if physical security measures are bypassed.
- **Encryption in Transit:**
Data transmitted across networks is encrypted using Transport Layer Security (TLS) version 1.2 or higher, safeguarding against data interception and eavesdropping.

Patch Management

- **Regular Updates:**
Departments hosting servers at WBSDC must implement a formal patch management process to ensure all software, operating systems, applications, and firmware are updated with the latest security patches to mitigate known vulnerabilities.

Go-Live Requirements

- **Vulnerability Assessment and Penetration Testing:**
Applications must be audited by a CERT-IN empanelled auditor to identify vulnerabilities. This ensures the security of all applications hosted at WBSDC and safeguards sensitive citizen data.
- **Risk Acceptance Declaration:**
In cases of urgency, a Risk Acceptance Declaration, signed by the Head of the Organization, may allow applications to go live without audit, provided a commitment is made to complete the audit and obtain a safe-to-host certificate within three (3) months.

WBSDC

IAAS Key Features

Network Security

Firewalls

- **Network Firewalls:**
WBSDC deploys network firewalls at the perimeter and within internal network segments to control traffic based on predefined security rules, blocking unauthorized access while allowing legitimate communications.
- **Application Firewalls:**
Web Application Firewalls (WAF) are implemented to protect web applications from common threats, such as SQL injection and cross-site scripting (XSS), by inspecting and filtering HTTP/HTTPS traffic.
- **WBNGSOC (West Bengal Next-Generation Security Operations Centre)**
- **Overview:**
The WBNGSOC, established by the Department of Information Technology & Electronics, monitors, detects, and mitigates security threats in real time.
- **Responsibilities:**
 - Actively blocks detected threats.
 - Notifies application owners of vulnerabilities.
 - Requires application owners to address and resolve vulnerabilities promptly.

WBSDC

IAAS Key Features

Network Security

Security Monitoring

Log Management

- **Centralized Logging:**
WBSDC, through WBNGSOC, maintains a centralized logging solution to aggregate logs from all systems and devices, enabling efficient log analysis.
- **Continuous Monitoring:**
Logs are continuously monitored for suspicious activities, such as multiple failed login attempts or unauthorized access. Automated tools identify and alert administrators in real-time.

Incident Response

Incident Response Plan

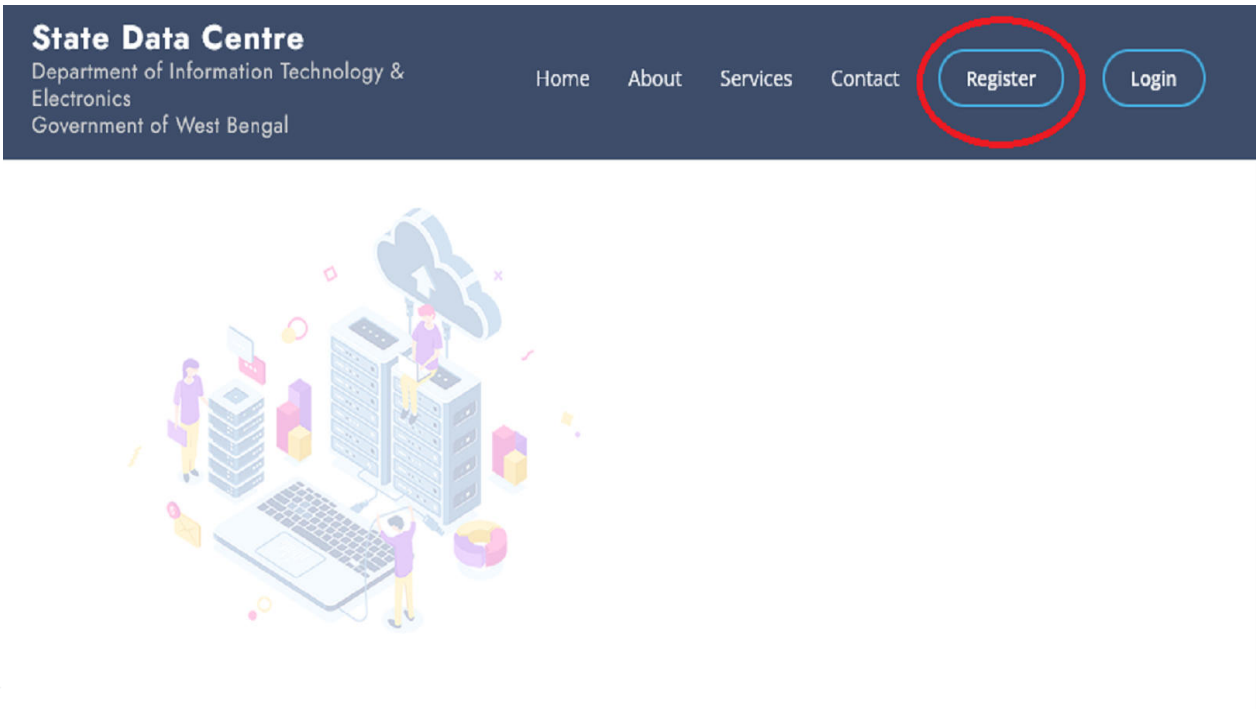
- **Development:**
A comprehensive incident response plan outlines steps for identifying, containing, eradicating, and recovering from security incidents.
- **Training:**
Regular training sessions, tabletop exercises, and simulations are conducted to ensure staff readiness and improve response capabilities.

Services Offered by WBSDC

- **Provisioning of Virtual Machines (VMs):** Creation of virtual servers tailored to departmental needs.
- **De-provisioning of VMs:** Removal of unused or obsolete virtual servers.
- **Augmentation of Resources:** Enhancement of vCPU, memory, and storage capacity as per application requirements.
- **Domain Name Creation:** Assistance in creating 4th and 5th level domain names under **wb.gov.in**.
- **VPN Access:** Secure VPN access for created VMs to facilitate remote connectivity.
- **IP Whitelisting:** Enabling controlled access to resources through IP whitelisting.
- **Server Backups:** Regular backups of servers to ensure data safety and quick recovery in case of incidents.
- **SSL Certificate Provision:** SSL certificates provided during the Go-Live stage of applications.
- **Disaster Recovery (DR) Facilities:** Robust DR setup to replicate and restore data during unforeseen disasters or natural calamities.

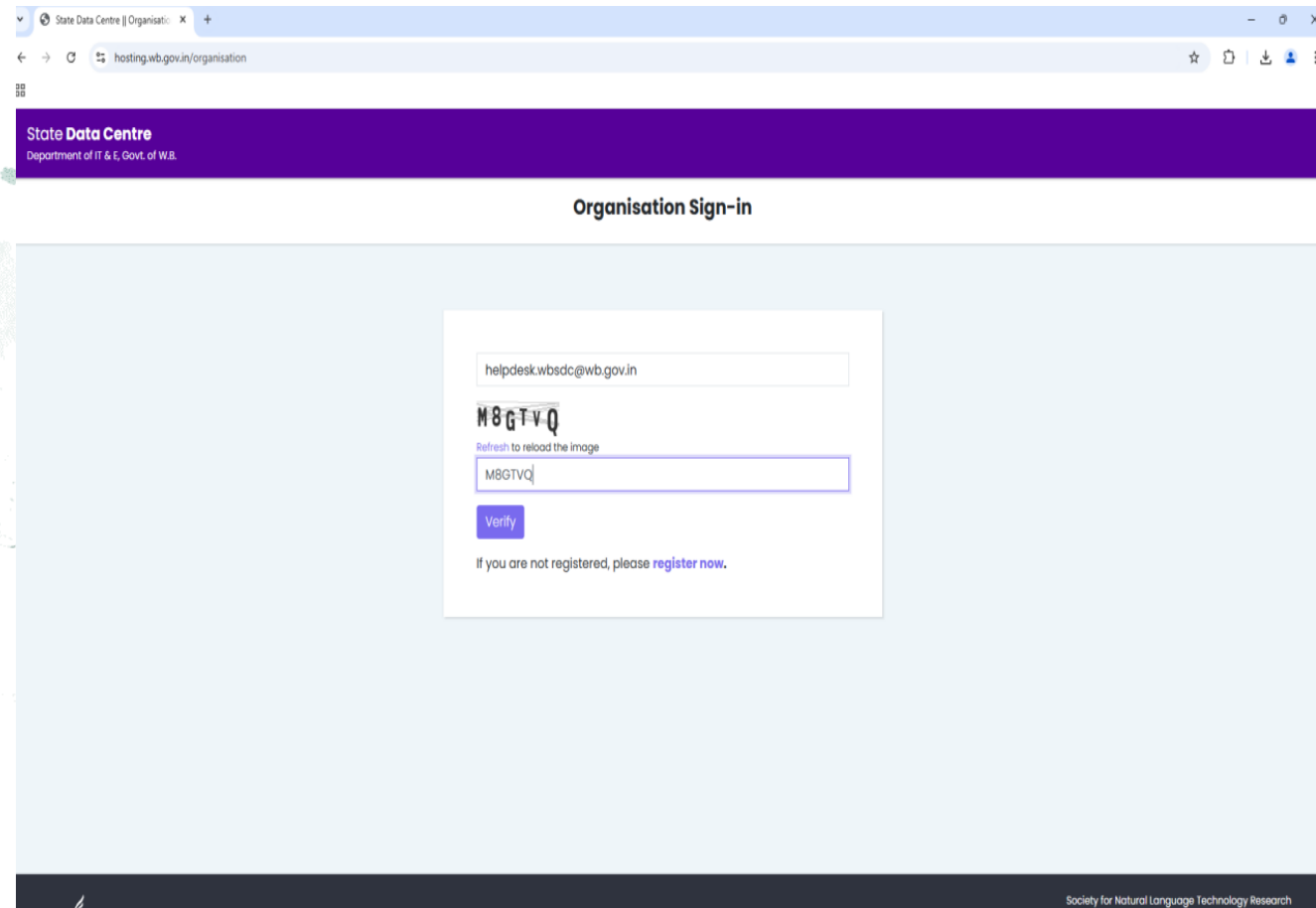
On Boarding WBSDC

- To avail services from WBSDC all Organizations need to have access to the WBSDC Hosting portal. For that the Head of the Department may designate an individual having government email address to do the necessary activities. It is recommended to designate such a person who may be accessible during a time of urgency
- The below mentioned hosting portal is accessible from public internet.
- URL for the WBSDC Hosting portal is <https://hosting.wb.gov.in>
- To login to the Portal the Department needs to register to the portal first. For that click “Register”.



On Boarding WBSDC

- Enter the registered mail ID and proper captcha in Organization Sign-in page and click on Verify button. OTP will send in your registered mail id and mobile number.



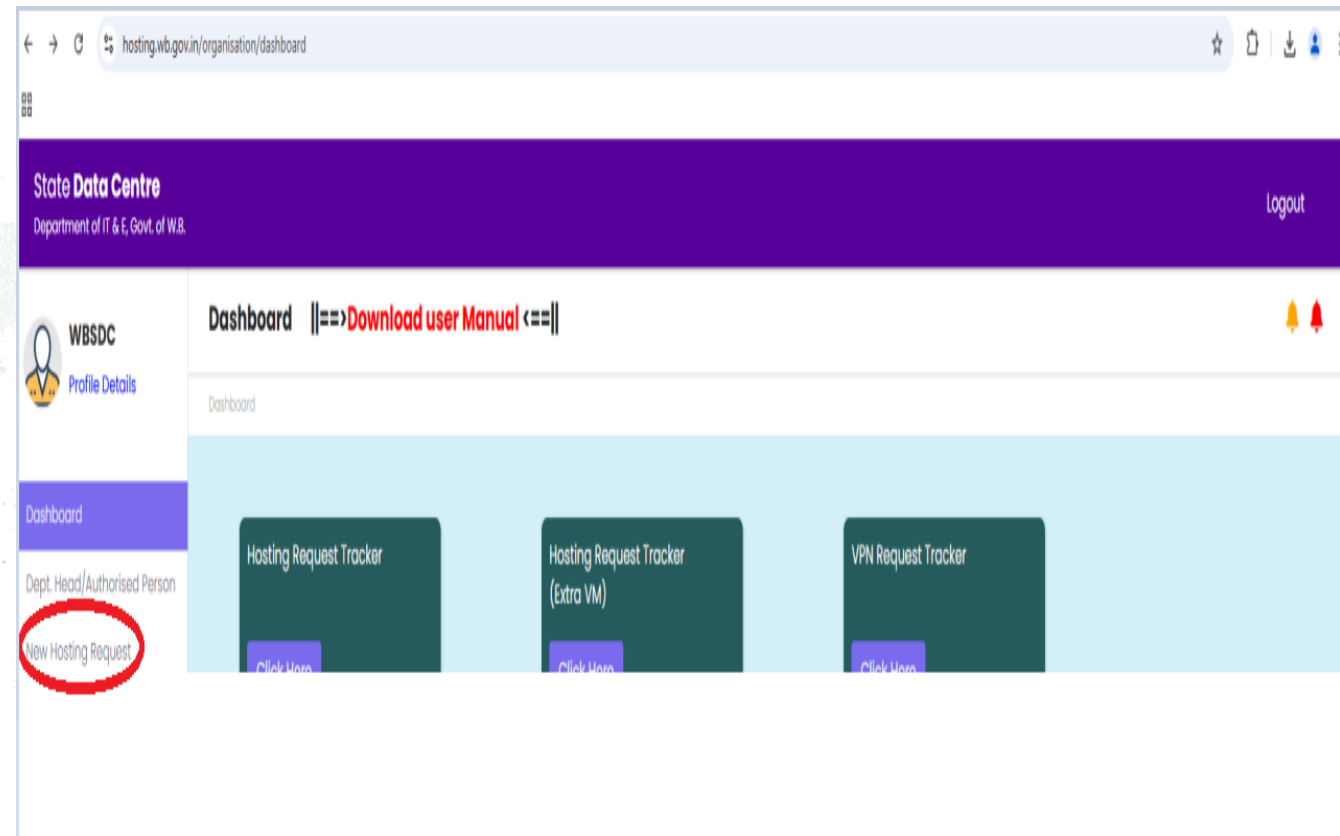
The screenshot shows a web browser window with the URL `hosting.wb.gov.in/organisation`. The page header is purple and contains the text "State Data Centre" and "Department of IT & E, Govt. of W.B.". The main heading is "Organisation Sign-in". The sign-in form is centered and contains the following elements:

- An email input field with the value `helpdesk.wbsdc@wb.gov.in`.
- A captcha image showing the text `M8GTVQ`.
- A text input field for the captcha with the value `M8GTVQ`.
- A "Verify" button.
- A link: "If you are not registered, please [register now](#)."

The footer of the page contains the text "Society for Natural Language Technology Research".

Virtual Machine (VM)

- Department may request for Virtual Machine (VM) by clicking “New Hosting Request” link and selecting the configuration require as per the need of the application.
- The Department may consult with their SI regarding the resource of the required Virtual Machine.
- **Go to the New Hosting Request link for new VM.**



Virtual Machine (VM)

- Click on Cloud VM.

New Hosting Request



Cloud - VM

Physical
(Co-location)

- Provide required information as per the screenshots below.

Hosting Request

Application name^{*}
Test

Application feature in brief^{*}
Development of Test

Is the application ready?^{*}
Yes

Is the domain registered?^{*}
No

Is functional testing done?^{*}
No

Is performance testing done?^{*}
No

Please state if the application has been evaluated through Web Application Security Assessment(WASA)/Security Audit?^{*}
No

Next

Virtual Machine (VM)

Application name *

Test

Application feature in brief *

Development for Test

Is the application ready? *

Yes

Is the domain registered? *

Yes

Domain name *

test.xx.xxx.xx

Domain expiry date *

28-Nov-2024

Is functional testing done? *

Yes

Functional testing report *

[Functional Testing Report](#)

Is performance testing done? *

Yes

Performance testing report *

[Performance Testing Report](#)

Please state if the application has been evaluated through Web Application Security Assessment(WASA)/Security Audit? *

Yes

Upload Safe to host certificate *

[Safe to host certificate](#)

Issue date of Safe to host certificate *

23-Nov-2024

Is code level changes made after WASA/Security Audit? *

No



Next

Virtual Machine (VM)

Providing Server Details

Server Type *	
Application Server	
CPU (core) *	RAM (in GB) *
6	16
Storage Type *	Storage (in GB) *
NFS	100
Probable size after One Year (in GB) *	
200	
Operating System *	
Linux	

Server Type *	
DB Server	
CPU (core) *	RAM (in GB) *
6	16
Storage Type *	Storage (in GB) *
NFS	200
Probable size after One Year (in GB) *	
250	
Operating System *	
Linux	

DB Server *	Web Server *
Oracle	Apache
It is required	It is required
Related Application Software details *	Technical Documentation [PDF only, Max size : 2 MB] *
Python	Choose File Test_Report.pdf
It is required	It is required

Next

Add VM

Virtual Machine (VM)

Providing Server Details

- One Hosting request can take up to 25 VM applications at a time which can be done by clicking Add VM link.
- The Department needs to provide the application architecture along with this hosting request.

After providing all required information and click on save button on working page will show: **Submitted waiting for Approval.**

The screenshot displays a 'Hosting Request' form with a yellow status bar at the top right indicating 'Submitted, waiting for approval'. The form is divided into several sections:

- Application Information:**
 - Application Number: JAH000004
 - Application name: Test
 - Application features in detail: (Development for Test)
 - Is the application ready?: Yes
 - Is the domain registered?: Yes
 - Domain name: test.mcafee.com
 - Domain expiry date: 28-Nov-2024
 - Is Functional testing done?: Yes
 - Functional testing report: [Download Testing Report]
 - Is performance testing done?: Yes
 - Performance testing report: [Download Testing Report]
 - Please state if the application has been evaluated through web Application Security Assessment(WASA)/Security Audit?: Yes
 - Safe to host certificate with date: [Download Certificate] 28-Nov-2024
- Server Type: Application Server (ID: JAH000004)**
 - OS/OS (name): R
 - RAM (in GB): 8
 - Storage Type: NFS
 - Storage (in GB): 200
 - Probable size after one Year (in GB): 200
 - Operating System: Linux
- Server Type: DB Server (ID: JAH000005)**
 - OS/OS (name): R
 - RAM (in GB): 8
 - Storage Type: NFS
 - Storage (in GB): 200
 - Probable size after one Year (in GB): 200
 - Operating System: Linux
- DB Server: Oracle (ID: JAH000006)**
 - Web Server: Apache
 - Related Application Software details: Python
 - Technical Documentation: [Link]

A 'Back to Hosting Tracker' button is located at the bottom left of the form.

Virtual Machine (VM) Approval Status

- Status of the VM application before and post Approval.

Dashboard
Dept. Head/Authorised Person
New Hosting Request
Domain Request
New Domain Request
Domain Request Tracker
Hosting Request (VM)
Hosting Request Tracker
Hosting Request Tracker (Extra VM)
Hosting Request Tracker (Resize VM)
VPN Request Tracker
Port Request Tracker
Backup Request Tracker
Acceptance/audit Tracker
System Integrator Tracker
Hosting Request Tracker (Physical)

Dashboard
Dept. Head/Authorised Person
New Hosting Request
Domain Request
New Domain Request
Domain Request Tracker
Hosting Request (VM)
Hosting Request Tracker
Hosting Request Tracker (Extra VM)
Hosting Request Tracker (Resize VM)
VPN Request Tracker
Port Request Tracker
Backup Request Tracker
Acceptance/audit Tracker
System Integrator Tracker
Hosting Request Tracker (Physical)

Application Hosting						
Show 10 entries			Search:			
#	Application No.	Application Name	Request Status	SDC Status	DEPT. Status	Activity
1	AH001384	Test 28-Nov-2024 06:05:46	Submitted	Escalated	Waiting For Approval	-
2	AH001383	Test 28-Nov-2024 05:58:35	Incomplete	--	--	-
3	AH001382	Test 28-Nov-2024 05:58:35	Incomplete	--	--	-
4	AH001381	XXX 28-Nov-2024 05:15:43	Incomplete	--	--	-
5	AH001380	XXX 28-Nov-2024 05:03:41	Incomplete	--	--	-
6	AH001379	XXX 28-Nov-2024 04:58:29	Incomplete	--	--	-
7	AH001351	Tribunal 30-Sep-2024 01:44:30	Incomplete	--	--	-
8	AH000267	Demo 25-Nov-2021 04:16:10	Submitted	Recommended 25-Nov-2021 16:22:56	Approved 25-Nov-2021 16:23:36	

Showing 1 to 8 of 8 entries

Previous 1 Next

Application Hosting						
Show 10 entries			Search:			
#	Application No.	Application Name	Request Status	SDC Status	DEPT. Status	Activity
1	AH001384	Test 28-Nov-2024 06:05:46	Submitted	Escalated	Waiting For Approval	-
2	AH001383	Test 28-Nov-2024 05:58:35	Incomplete	--	--	-
3	AH001382	Test 28-Nov-2024 05:58:35	Incomplete	--	--	-
4	AH001381	XXX 28-Nov-2024 05:15:43	Incomplete	--	--	-
5	AH001380	XXX 28-Nov-2024 05:03:41	Incomplete	--	--	-
6	AH001379	XXX 28-Nov-2024 04:58:29	Incomplete	--	--	-
7	AH001351	Tribunal 30-Sep-2024 01:44:30	Incomplete	--	--	-
8	AH000267	Demo 25-Nov-2021 04:16:10	Submitted	Recommended 25-Nov-2021 16:22:56	Approved 25-Nov-2021 16:23:36	

Showing 1 to 8 of 8 entries

Previous 1 Next

Virtual Machine (VM) Provision Status

After getting approval from Department of Information Technology and Electronics, Government of West Bengal, DCO team of WBSDC will start VM creation process.

After completion of VM creation the Overlay IP and Floating IP will be provided at the portal.

The screenshot displays a web portal for VM provision status. On the left is a sidebar menu with various request types. The main content area is titled 'Edit Assigned IP' and shows details for two VMs.

Dashboard

- Domain Request
- Domain Request
- Hosting Request (VM)**
- Hosting Request
- Hosting Request (Extra VM)
- Hosting Request (Resize VM)
- VPN Request
- Port Request
- Backup Request
- Acceptance/Audit Tracker
- System Integrator Tracker
- Hosting Request (Physical)**
- Hosting Request (Physical)
- VPN Request (Physical)
- Port Request (Physical)
- Backup Request (Physical)
- Acceptance/Audit Tracker (Physical)
- Others**
- Ticket Tracker
- Connect To Department
- IOC Message Tracker
- Physical Access Request List
- Charan Handover List

Edit Assigned IP

Application Name: **West Bengal Cooperative Tribunal**

Public IP
172.217.22.14

Public IPv6
2606:4700:4700::1001

Server Type: Staging Web Server, Core: 4GB, RAM: 6GB, Storage Type: NFS, Storage: 250GB, Storage after 1 year: 50GB, OS: Linux

Finally Allocated

CPU (core): 4 | RAM (in GB): 8 | Storage (in GB): 250

Private IP
172.20.143.2

Private IPv6
2606:4700:4700::1001

Floating IP
172.25.149.219

Server Type: Staging DB Server, Core: 4GB, RAM: 8GB, Storage Type: NFS, Storage: 250GB, Storage after 1 year: 100GB, OS: Linux

Finally Allocated

CPU (core): 4 | RAM (in GB): 8 | Storage (in GB): 250

Private IP
172.20.61.1

Private IPv6
2606:4700:4700::1001

Floating IP
172.25.138.30

[Back](#)

Activate Windows
Go to Settings to activate Windows.

Virtual Private Network (VPN)

- Departments must apply for VPN access through the WBSDC hosting portal, clearly mentioning the required port numbers. Upon receiving the necessary approvals, the estimated time for completion (ETC) of the request is 24 hours. Once the VPN access setup is completed, the organization will be notified via the registered email address provided in the WBSDC hosting portal. Please ensure that all details are correctly mentioned to avoid any delays in processing.

- Please be advised that WBSDC reserves the right to deny access to any ports mentioned in the VPN request form that are deemed vulnerable to the WBSDC network. This is a critical security measure to ensure the integrity and safety of the infrastructure. If any port is restricted, it will be clearly communicated in the notification email upon job completion. Kindly ensure that only necessary and secure ports are requested to prevent delays in processing.

- Please be informed that WBSDC may provision a maximum of 5 VPN users per Department, Directorate, Corporation, Agency, or Parastatal under the Government of West Bengal. Any request exceeding this limit may not be processed. Departments requiring additional users must provide a valid justification and obtain special approval before submitting a request.

- Please note that the VPN session timeout for inactivity is set to 8 hours. Any session that remains idle beyond this period will be automatically disconnected. Users must reconnect if their session times out due to inactivity. For uninterrupted access, please ensure active usage within the specified time frame.

- Please be informed that the VPN request form must be signed and stamped by the authorized person mentioned on the document. Failure to comply with this requirement may result in the rejection of the request.

Virtual Private Network (VPN)

Submitting VPN Request

To create a new VPN request, go to Hosting Request Tracker, click the burger menu in the activity column.

Application Hosting

Show 10 entries Search:

#	Application No.	Application Name	Request Status	SDC Status	DEPT. Status	Activity
1	AH001384	Test 28-Nov-2024 06:05:46	Submitted	Escalated	Waiting For Approval	-
2	AH001383	Test 28-Nov-2024 05:58:35	Incomplete	--	--	-
3	AH001382	Test 28-Nov-2024 05:58:35	Incomplete	--	--	-
4	AH001381	xxx 28-Nov-2024 05:15:43	Incomplete	--	--	-
5	AH001380	xxx 28-Nov-2024 05:03:41	Incomplete	--	--	-
6	AH001379	xxx 28-Nov-2024 04:58:29	Incomplete	--	--	-
7	AH001351	Tribunal 30-Sep-2024 01:44:30	Incomplete	--	--	-
8	AH000267	Demo 25-Nov-2021 04:16:30	Submitted	Recommended 25-Nov-2021 16:22:56	Approved 25-Nov-2021 16:23:36	-

Showing 1 to 8 of 8 entries Previous 1 Next

Click on “VPN request” link

#	Application No.	Application Name	Request Status	SDC Status	DEPT. Status	Activity
1	AH001384	Test 28-Nov-2024 06:05:46	Submitted	Escalated	Rejected	-
2	AH001383	Test 28-Nov-2024 05:58:35	Incomplete	--	--	-
3	AH001382	Test 28-Nov-2024 05:58:35	Incomplete	--	--	-
4	AH001381	xxx 28-Nov-2024 05:15:43	Incomplete	--	--	-
5	AH001380	xxx 28-Nov-2024 05:03:41	Incomplete	--	--	-
6	AH001379	xxx 28-Nov-2024 04:58:29	Incomplete	--	--	-
7	AH001351	Tribunal 30-Sep-2024 01:44:30	Incomplete	--	--	-
8	AH000267	Demo 25-Nov-2021 04:16:30	Submitted	Recommended 25-Nov-2021 16:22:56	Approved 25-Nov-2021 16:23:36	-

Showing 1 to 8 of 8 entries Previous

VPN Request

- Part Open Request
- Backup Request (Physical)
- Deploy to Production
- Pending Certificates/Reports
- Add System Integrator(s)
- Add Extra VM
- Resize VM

Virtual Private Network (VPN)

Download & Upload form

- After providing required information, click on Save & Download Form
- Take a printout of the form to get it signed and stamped by the mentioned signatory.

State Data Centre
Department of IT & E, Govt. of W.B.

Logout

WBSDC
Profile Details

VPN Requests

Dashboard / VPN Requests

VPN Requests

Download VPN User Guide New VPN Request

Show 10 entries

#	ID	Application	Requested By	Form	Credentials
1	VPN03226	Demo 22-May-2024 16:24:19	WBSDC	Download VPN Request Form (System Generated)	-
2	VPN02934	Demo 12-Dec-2023 19:28:40	WBSDC		ID/Password

Showing 1 to 2 of 2 entries

Previous 1 Next

<https://hosting.nib.gov.in/organisation/vpn-form-download-3226-267>

Virtual Private Network (VPN)

Request Status

- Take a printout of the form to get it signed and stamped by the mentioned signatory.
- Upload the signed and stamped VPN request document through upload option

The screenshot shows the WBSDC VPN Requests dashboard. The left sidebar contains a navigation menu with options like 'Dashboard', 'Dept. Head/Authorised Person', 'New Hosting Request', 'Domain Request', 'New Domain Request', 'Domain Request Tracker', 'Hosting Request (VM)', 'Hosting Request Tracker', 'Hosting Request Tracker (Extra VM)', 'Hosting Request Tracker (Resize VM)', 'VPN Request Tracker', 'Port Request Tracker', 'Backup Request Tracker', 'Acceptance/Audit Tracker', 'System Integrator Tracker', 'Hosting Request (Physical)', and 'Hosting Request Tracker'. The main content area is titled 'VPN Requests' and features a table with columns: '#', 'ID', 'Application', 'Requested By', 'Form Download', 'Download VPN Request Form (Uploaded by you)', and 'Credentials'. Two entries are visible: VPN03226 and VPN02934. A red box highlights the 'Download VPN Request Form (Uploaded by you)' column for the first entry. The bottom of the table shows 'Showing 1 to 2 of 2 entries' and navigation buttons for 'Previous' and 'Next'.

After uploading the document, it must shows “submitted”

The screenshot shows the WBSDC Application Hosting dashboard. The left sidebar contains a navigation menu with options like 'Dashboard', 'Dept. Head/Authorised Person', 'New Hosting Request', 'Domain Request', 'New Domain Request', 'Domain Request Tracker', 'Hosting Request (VM)', 'Hosting Request Tracker', 'Hosting Request Tracker (Extra VM)', 'Hosting Request Tracker (Resize VM)', 'VPN Request Tracker', 'Port Request Tracker', 'Backup Request Tracker', 'Acceptance/Audit Tracker', 'System Integrator Tracker', 'Hosting Request (Physical)', and 'Hosting Request Tracker'. The main content area is titled 'Application Hosting' and features a table with columns: '#', 'Application No.', 'Application Name', 'Request Status', 'SDC Status', and 'DEPT. Status'. Eight entries are visible, with the first and last entries highlighted by red boxes. The bottom of the table shows 'Showing 1 to 8 of 8 entries' and a 'Previous' button.

Once the creation of a new VPN user is completed, the WBSDC Helpdesk sends an email to the concerned user at the email ID mentioned in the VPN request form. This email includes the created VPN user ID and the VPN User Guide. The password is not shared over the email. The concerned user needs to call at WBSDC Helpdesk (033-40874310/11) where it will be shared verbally due to security precautions.

Specific Port Opening

To apply for a PORT opening request, click on the burger menu in the activity column

Application Hosting							
Show	10	▼ entries		Search:			
#	Application No.	Application Name	Request Status	SOC Status	DEPT. Status	Activity	
1	AH001384	Test 28-Nov-2024 05:05:46	Submitted	Escalated	Waiting For Approval	-	
2	AH001383	Test 28-Nov-2024 05:56:35	Incomplete	---	---	-	
3	AH001382	Test 28-Nov-2024 05:56:35	Incomplete	---	---	-	
4	AH001381	Test 28-Nov-2024 05:56:35	Incomplete	---	---	-	
5	AH001380	Test 28-Nov-2024 05:03:41	Incomplete	---	---	-	
6	AH001379	Test 28-Nov-2024 04:50:29	Incomplete	---	---	-	
7	AH001351	TestJurnal 30-Sep-2024 05:44:30	Incomplete	---	---	-	
8	AH000267	CHINFO 25-Nov-2021 04:16:10	Submitted	Recommended	Approved	-	
Showing 1 to 8 of 8 entries				25-Nov-2021 16:23:56		25-Nov-2021 16:23:36	
				Previous		1	Next

Click on Port Opening Request.

Dashboard

Dept. Head/Authorised Person

New Hosting Request

Domain Request

New Domain Request

Domain Request Tracker

Hosting Request (VM)

Hosting Request Tracker

Expanding Request Tracker (Extra VM)

Expanding Request Tracker (Resize VM)

VPN Request Tracker

Port Request Tracker

Backup Request Tracker

Acceptance/Outfit Tracker

System Integrator Tracker

Hosting Request (Impaired)

Hosting Request Tracker (Physical)

VPN Request Tracker (Physical)

Port Request Tracker (Physical)

Backup Request Tracker (Physical)

Application Hosting

Show 10 entries

Search:

#	Application No.	Application Name	Request Status	SOC Status	DEPT. Status	Activity
1	AH001384	Test 28-Nov-2024 05:05:46	Submitted	Escalated	Rejected	-
2	AH001383	Test 28-Nov-2024 05:58:35	Incomplete	---	---	-
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4	AH001381	Test 28-Nov-2024 05:05:46	Incomplete	---	---	-
5	AH001380	Test 28-Nov-2024 05:03:45	Incomplete	---	---	-
6	AH001379	Test 28-Nov-2024 04:50:29	Incomplete	---	---	-
7	AH001351	Test 28-Sep-2024 05:44:30	Incomplete	---	---	-
8	AH000267	Test 28-Nov-2024 04:54:50	Submitted	Recommended 28-Nov-2024 16:22:56	Approved 28-Nov-2024 16:23:56	-

Showing 1 to 8 of 8 entries

VPN Request

Port Opening Request

Backup Request (Physical)

Deploy to Production

Pending Certificates/Reports

Add System Integrator(SI)

Add Extra VM

Resize VM

Specific Port Opening

Provide the destination address, port numbers, the access is required
unidirectional/bidirectional

Port Request

Dashboard / Port Request

Port Request
Application Name: Demo

Source Address: 172.20.86.136

Destination Address

Destination address 1

Destination address 2

Destination address 3

Destination address 4

Destination address 5

Protocol with Port

Rule
Add

Mode of Access
Unidirectional

Duration

Description of what you are trying to accomplish

After providing required information, click on Save button

Source Address: 172.20.93.219

Destination Address

Destination address 1

Destination address 2

Destination address 3

Destination address 4

Destination address 5

Protocol with Port

Rule
Add

Mode of Access
Unidirectional

Duration

Description of what you are trying to accomplish

Save Cancel

Specific Port Opening

Once the application has been success fully generated the status of the request will be shown as seen below.

Port Opening Requests						
Show 10 entries		Search:				
#	ID	Application	Requested By	Uploaded Form	Approval Status (SDC)	Approval Status (Dept.)
1	PORT01816	betabsk 25-Nov-2024 13:21:50	PERSONNEL AND ADMINISTRATIVE REFORMS AND E-GOVERNANCE	 25-Nov-2024 13:45:25	Waiting for recommendation	Waiting for Approval
2	PORT01817	BSK_Cloud_App 29-Nov-2024 13:16:34	PERSONNEL AND ADMINISTRATIVE REFORMS AND E-GOVERNANCE	 29-Nov-2024 13:49:25	Waiting for recommendation	Waiting for Approval
3	PORT01816	e Permit Application 28-Nov-2024 17:04:28	WEST BENGAL STATE AGRICULTURAL MARKETING BOARD	 29-Nov-2024 13:11:36	Waiting for recommendation	Waiting for Approval
4	PORT01814	Undertaking Portal 28-Nov-2024 10:02:48	SOCIETY FOR NATURAL LANGUAGE TECHNOLOGY RESEARCH (SNLTR)	 28-Nov-2024 10:42:28	Recommended	Approved
5	PORT01810	Graded Response Action Plan (GRAP) 27-Nov-2024 15:49:00	WEST BENGAL POLLUTION CONTROL BOARD	 27-Nov-2024 17:35:55	Recommended	Approved
6	PORT01813	Integrated Management System (IGMS) 27-Nov-2024 16:07:58	WEST BENGAL POLLUTION CONTROL BOARD	 27-Nov-2024 17:35:28	Recommended	Approved
7	PORT01811	Paddy Procurement System 27-Nov-2024 15:25:25	FOOD AND SUPPLIES		Recommended	Approved

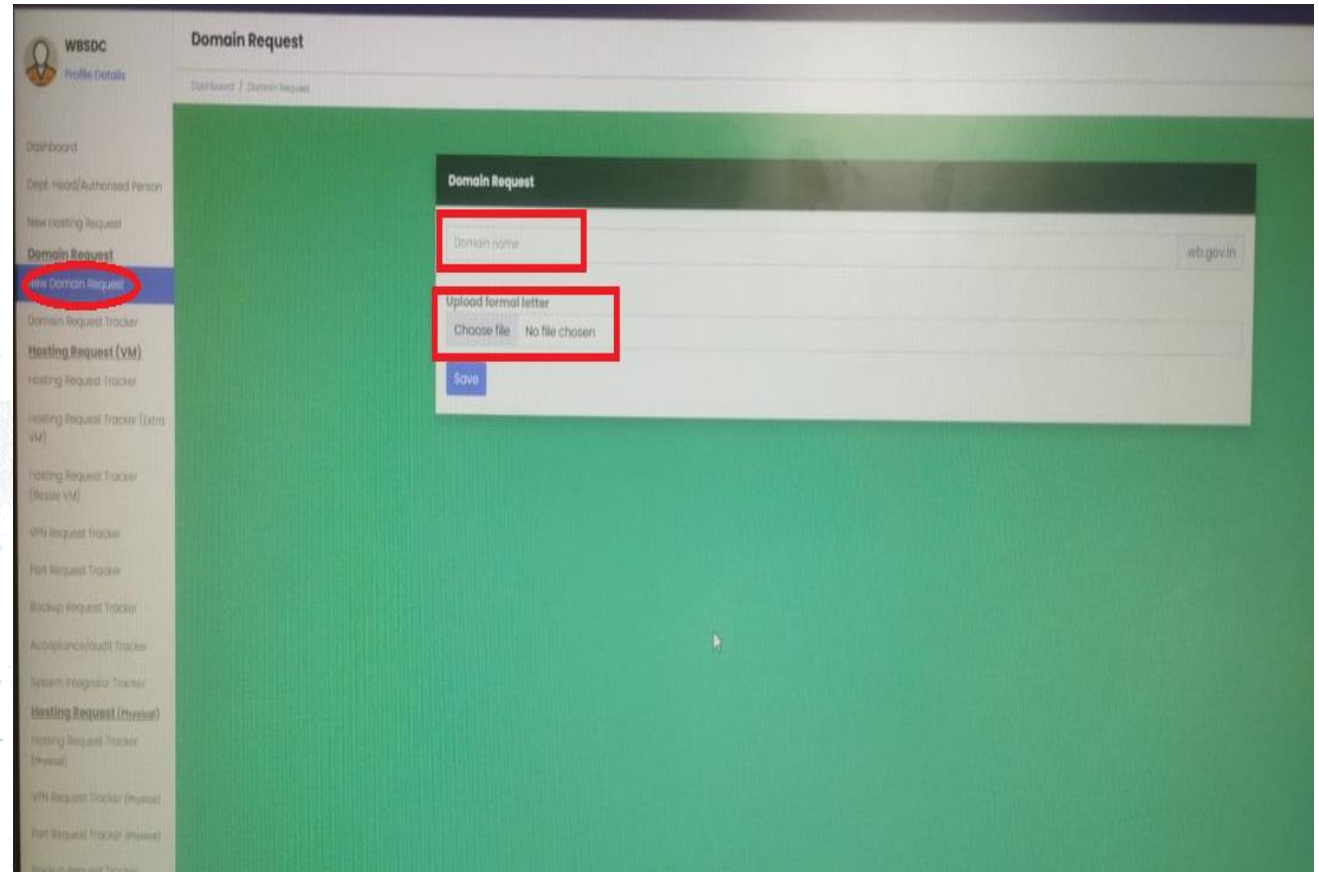


Registering Domain Name

- Before the application can be accessed from the internet, the Department must have a URL/Domain name bound to a Public IP provided by WBSDC. The Department may apply for a 4th or 5th level domain name under wb.gov.in through the WBSDC Hosting Portal or obtain a different domain from another provider.
- If the domain name is applied for through the WBSDC Hosting Portal, WBSDC will initiate the creation process after receiving the necessary approvals. The DNS registration for all domains under wb.gov.in is managed by the National Informatics Center (NIC), and the estimated time to complete the process is 48 hours.
- If the Department procures a URL/Domain name from a third-party provider, a request for a Public IP must be placed, which will then need to be bound to the domain before the application can be hosted publicly.

Registering Domain Name

The Steps to apply for a Domain Name from WBSDC is as follows:
Provide the required domain name and upload the registration request letter, duly signed and stamped by the Head of the Department. Once uploaded, proceed by clicking the Save button.



The screenshot displays the WBSDC 'Domain Request' form. On the left, a sidebar menu lists various request types, with 'Domain Request' and its sub-option 'New Domain Request' highlighted. The main form area contains a 'Domain Request' header, a 'Domain name' input field, and an 'Upload formal letter' section with a 'Choose file' button and a 'No file chosen' status. A 'Save' button is located at the bottom of the form.

WBSDC Profile Details

Dashboard / Domain Request

Domain Request

Domain name

Upload formal letter

Choose file No file chosen

Save

Registering Domain Name

After submission of request approval status could seen as below.

Domain Requests

Show 10 entries

Search:

#	Organisation Name	Domain Name	Approval Status (SDC)	Approval Status (Dept.)	Details	Letter
1	URBAN DEVELOPMENT AND MUNICIPAL AFFAIRS 11-Dec-2024 17:58:58	wbuddevauth.wb.gov.in	Recommended 12-Dec-2024 13:24:30	Approved 12-Dec-2024	IP	 
2	CO-OPERATION 10-Dec-2024 12:05:56	cooperativetribunal.wb.gov.in	Waiting for approval	Waiting for approval	-	-
3	WEST BENGAL TOURISM DEVELOPMENT CORPORATION LIMITED 09-Dec-2024 14:14:53	wbtcd.wb.gov.in	Waiting for approval	Waiting for approval	-	-
4	SOCIETY FOR NATURAL LANGUAGE TECHNOLOGY RESEARCH (SNLTR) 02-Dec-2024 13:31:55	bata2.wb.gov.in	Recommended 02-Dec-2024 13:32:54	Approved 02-Dec-2024	IP	 
5	URBAN DEVELOPMENT AND MUNICIPAL AFFAIRS 02-Dec-2024 12:18:38	udma.wb.gov.in	Recommended 04-Dec-2024 12:28:00	Approved 04-Dec-2024 17:16:19	IP	 
6	DIRECTOR OF LAND RECORDS AND SURVEYS, WB 29-Nov-2024 17:22:59	bhumanchitra.wb.gov.in	Recommended 06-Dec-2024 18:29:23	Approved 06-Dec-2024 10:16:28	IP	 
7	ASANSOL DURGAPUR DEVELOPMENT AUTHORITY 28-Nov-2024 10:56:48	addaonline.wb.gov.in	Recommended 03-Dec-2024 12:28:28	Approved 03-Dec-2024 13:52:48	IP	 
8	BACKWARD CLASSES WELFARE 27-Nov-2024 16:30:05	saboojiathi.wb.gov.in	Recommended 29-Nov-2024 11:49:17	Approved 29-Nov-2024 14:08:27	IP	 
9	BACKWARD CLASSES WELFARE	bcdev.wb.gov.in	Recommended 29-Nov-2024 11:49:23	Approved 29-Nov-2024 14:09:11	IP	 

Registering Domain Name

- After getting approval from Department of IT & E, GoWB the following
- WBSDC will feed the Public IP at the section shown below which can also be viewed by the requestor also.
- The Domain name registration or A Record entry in the DNS is done by the Registry and eForms teams of NIC, which requires an authorization letter signed and stamped by the Nodal Officer for wb.gov.in domain. This document once received gets uploaded at the Registry Portal (<https://registry.gov.in>).
- After internal verification by the Registry team the request gets sent to the eForms Portal (<https://eforms.nic.in>).
- The request is then approved by the Technical Contact of the domain wb.gov.in.
- The DNS entry gets done by the NIC team over their setup.
- These steps involve activities from multiple parties and WBSDC which works 24X7, coordinates with them in the best possible way to speed up the process.
- This complete process takes atleast 48 business hours to complete barring weekends & public holidays.

Registering Domain Name

Operations
WBSDC
Logged in as SDC
Operations

[Dashboard](#)
[Domain Request](#)
[Domain Request](#)
[Hosting Request \(VM\)](#)
[Hosting Request](#)
[Hosting Request \(Extra VM\)](#)
[Hosting Request \(Resize VM\)](#)
[VPN Request](#)
[Port Request](#)
[Backup Request](#)
[Acceptance/audit Tracker](#)
[System Integrator Tracker](#)
[Hosting Request \(physical\)](#)
[Hosting Request \(Physical\)](#)

Allocate IP

[Dashboard](#) / [Domain](#) / [Allocate IP](#)

Organisation Name : DIRECTOR OF LAND RECORDS AND SURVEYS, WB
Allocate IP for [bhumanchitra.wb.gov.in](#)

Public IP*

172.217.22.14

Public IPv6

2006:4700:4700::111

[Save](#) [Cancel](#)

SALTRA

Society for Natural Language Technology Research
under Department of Information Technology & Electronics
Government of West Bengal

Hosting Application Via Public Internet

- This request may be submitted by the organization through the WBSDC Hosting Portal using the Deploy-to-Production option.
- The application must be audited by a CERT-IN empaneled auditor, and a valid Safe-to-Host certificate is required before hosting. It is the responsibility of the department to upload the valid Safe-to-Host certificate.
- In case of urgency to make the application live before completing the required audit, the Organization may upload a risk-acceptance declaration duly signed and stamped by the Head of the Department for the interim period. However, it remains the Department's responsibility to provide the Safe-to-Host certificate to WBSDC as soon as possible.
- Please note that if the application goes live on the internet with a risk-acceptance declaration, any security breach affecting WBSDC due to vulnerabilities in the application will be the sole responsibility of the respective Department.
- If the Organization fails to provide the required safe-to-host certificate within the promised timeframe, WBSDC reserves the right to revoke public access to the application. Any such intimation will be sent to the registered email address.
- All applications going live from WBSDC must have a valid SSL certificate. WBSDC provides SSL certificates only for 4th level domains/URLs under wb.gov.in. If the domain/URL is a 5th level domain under wb.gov.in, it is the Department's responsibility to procure and provide a valid SSL certificate. Similarly, if the domain/URL is registered through a third-party provider, the Organization must ensure that a valid SSL certificate is obtained and submitted.
- Application may not go-live without a domain/URL.
- Application may not go-live without a valid SSL certificate.
- In cases where the Organization provides the SSL certificate, it is their responsibility to ensure that WBSDC receives a new SSL certificate before the existing one expires. Failure to do so will result in the termination of public access to the application.

Hosting Application Via Public Internet

The application go-live request can be provided at the Hosting portal as mentioned below.

Go to Hosting request tracker and click on the burger menu of the application going live.

Application Hosting						
Show 10 entries		Search:				
#	Application No.	Application Name	Request Status	SDC Status	DEPT. Status	Activity
1	AH001384	Test 28-Nov-2024 06:05:46	Submitted	Escalated	Waiting For Approval	-
2	AH001383	Test 28-Nov-2024 05:58:35	Incomplete	--	--	-
3	AH001382	Test 28-Nov-2024 05:58:35	Incomplete	--	--	-
4	AH001381	XXX 28-Nov-2024 05:15:43	Incomplete	--	--	-
5	AH001380	XXX 28-Nov-2024 05:03:41	Incomplete	--	--	-
6	AH001379	XXX 28-Nov-2024 04:58:29	Incomplete	--	--	-
7	AH001351	Tribunal 30-Sep-2024 01:44:30	Incomplete	--	--	-
8	AH000267	Demo 25-Nov-2021 04:16:10	Submitted	Recommended 25-Nov-2021 16:22:56	Approved 25-Nov-2021 16:23:36	
Showing 1 to 8 of 8 entries						Previous 1 Next

Hosting Application Via Public Internet

Click on Deploy on production

The screenshot shows the 'Application Hosting' dashboard. On the left is a sidebar with navigation links: Dashboard, Dept. Head/Authorised Person, New Hosting Request, Domain Request, New Domain Request, Domain Request Tracker, **Hosting Request (VM)**, Hosting Request Tracker, Hosting Request Tracker (Extra VM), Hosting Request Tracker (Resize VM), VPN Request Tracker, Port Request Tracker, Backup Request Tracker, Acceptance/audit Tracker, System Integrator Tracker, **Hosting Request (Physical)**, Hosting Request Tracker (Physical), VPN Request Tracker (Physical), Port Request Tracker (Physical), Backup Request Tracker (Physical). The main area displays a table of application requests with columns: #, Application No., Application Name, Request Status, SDC Status, DEPT. Status, and Activity. The table shows 8 entries. A context menu is open over the last entry (Application No. AH000267, Name: Demo), with the 'Deploy to Production' option highlighted. Other options include: VPN Request, Port Open Request, Backup Request (Physical), Pending Certificates/Reports, Add System Integrator(s), Add Extra VM, and Resize VM.

#	Application No.	Application Name	Request Status	SDC Status	DEPT. Status	Activity
1	AH001384	Test 28-Nov-2024 08:05:46	Submitted	Escalated	Rejected	--
2	AH001383	Test 28-Nov-2024 05:58:35	Incomplete	---	---	--
3	AH001382	Test 28-Nov-2024 05:58:35	Incomplete	---	---	--
4	AH001381	XXX 28-Nov-2024 05:58:43	Incomplete	---	---	--
5	AH001380	XXX 28-Nov-2024 05:03:41	Incomplete	---	---	--
6	AH001379	XXX 28-Nov-2024 04:58:29	Incomplete	---	---	--
7	AH001351	Tribunal 30-Sep-2024 01:44:30	Incomplete	---	---	--
8	AH000267	Demo 25-Nov-2023 04:30:06	Submitted	Recommended 25-Nov-2023 10:22:56	Approved 25-Nov-2023 10:23:36	--

If the security audit of the application is completed, select “Yes” and upload the Safe-to-Host Certificate. If the file is password-protected, please disable the password protection before uploading

Once the file is selected click save

The screenshot shows the 'Deploy to Production' form. The left sidebar is identical to the previous screenshot. The main area has a header 'WBSDC Profile Details' and a breadcrumb 'Dashboard / Deploy to Production'. The form itself has a title 'Deploy to Production' and contains the following fields: 'Application Name: Demo', a required field 'Please state if the application has been evaluated through Web Application Security Assessment(WASA)/Security Audit' with a dropdown menu set to 'Yes', an 'Upload Safe to host certificate' section with a 'Choose File' button and 'No file chosen' text, and an 'Issue date of Safe to host certificate' field with a date picker set to 'dd-mm-yyyy'. A 'SAVE' button is at the bottom.

Hosting Application Via Public Internet

If the security audit of the application is not completed, click “No.” Download the risk acceptance declaration format, populate the details of your application as mentioned in the format, and get the declaration signed and stamped by the Head of the Department.

For your reference, please find below format of the Risk Acceptance Declaration

Date: _____

Undertaking for risk acceptance for hosting without Security Audit

It is requested to deploy the _____ (Name of the application with URL) in the production environment of SDC before successful closure of security audit. The stated application may contain vulnerabilities and we understand that there might be inherent risk(s) due to threat(s) involved in using vulnerable application.

I, therefore, undertake that _____ (Name of the department/district/organization) would bear all the consequences/losses in the event of any security breach and _____ (Name of the department/district/organization) shall not hold SDC responsible for any such undesired incident and losses thereof, if any.

However, _____ (Name of the department/district/organization) confirms that the security audit of the application will be carried out and the issues/bugs will be patched by _____ (Date).

For (Name of the department/district/organization)

⋮ Name of the Head of the department/district/organization
Designation
Name of the department/district/organization

Kindly modify the format as per your requirement which fits with your department/district/organization.

Hosting Application Via Public Internet

Upload undertaking for Risk acceptance for Hosting without Security Audit

State Data Centre
Department of IT & E, Govt. of W.B.

WBSDC
Profile Details

Dashboard / Deploy to Production

Deploy to Production

Application Name: Demo

Please state if the application has been evaluated through Web Application Security Assessment(WASA)/Security Audit *

No

Undertaking for risk acceptance is required to deploy an application without Web Application Security Assessment(WASA)/Security Audit. Click here to download the sample format.

Upload Undertaking for risk acceptance for hosting without Security Audit *

Choose File No file chosen

Tentative date of Completing Web Application Security Assessment (WASA)/ Security Audit *

dd-mm-yyyy

SAVE

Once the application has been audited and the safe to host certificate is available, the file may be uploaded using the Pending Certificates/reports section.

Click on Pending Certification/Reports on the burger menu in the hosting request tracker

State Data Centre
Department of IT & E, Govt. of W.B.

WBSDC
Profile Details

Dashboard / Hosting Request Tracker

Hosting Request Tracker

Application Hosting

Show 10 entries

Search:

#	Application No.	Application Name	Request Status	SDC Status	DEPT. Status	Activity
1	AH001384	Test 28-Nov-2024 06:05:46	Submitted	Escalated	Rejected	--
2	AH001383	Test 28-Nov-2024 05:58:35	Incomplete	--	--	--
3	AH001382	Test 28-Nov-2024 05:58:35	Incomplete	--	--	--
4	AH001381	XXX 28-Nov-2024 05:15:43	Incomplete	--	--	--
5	AH001380	XXX 28-Nov-2024 05:03:41	Incomplete	--	--	--
6	AH001379	XXX 28-Nov-2024 04:58:29	Incomplete	--	--	--
7	AH001351	Tribunal 30-Sep-2024 01:44:30	Incomplete	--	--	--
8	AH000267	Demo 25-Nov-2021 04:16:10	Submitted	Recommended 25-Nov-2021 16:22:56	Approved 25-Nov-2021 16:23:36	--

Showing 1 to 8 of 8 entries

Previous 1 Next

VPN Request
Port Open Request
Backup Request (Physical)
Deploy to Production
Pending Certificates/Reports
Add System Integrator(s)
Add Extra VM
Resize VM

Hosting Application Via Public Internet

Select Required File and Upload Safe to host certificate

State Data Centre
Department of IT & E, Govt. of W.B.

Logout

WBSDC
Profile Details

Dashboard

Dept. Head/Authorised Person

New Hosting Request

Domain Request

New Domain Request

Domain Request Tracker

Hosting Request (VM)

Hosting Request Tracker

Hosting Request Tracker (Extra VM)

Hosting Request Tracker (Resume VM)

VPN Request Tracker

Port Request Tracker

Backup Request Tracker

Acceptance/audit Tracker

System Integrator Tracker

Hosting Request (physical)

Hosting Request Tracker (Reconnect)

Pending certificates/reports

Dashboard / Pending certificates/reports

Pending certificates/reports

Application Name: Demo

Please select

Safe to host certificate

Upload Safe to host certificate

Choose File No file chosen

Issue date of Safe to host certificate

dd-mm-yyyy

SAVE

Backup Request

Once the VMs are provisioned, until they go into production, no backup will be available in WBSDC. Backup requests will only be approved for production VMs only. At WBSDC, backups are provided for all database VMs under production. By default, the backup policy includes a weekly full VM backup and daily incremental backups, with a retention period of four weeks for full backups and seven days for incremental backups. For any additional backup requirements not covered under this policy, the Department must submit a backup request through the hosting portal.

Steps to raise a backup request is as follows:

Go to Hosting Request Tracker and click on the burger menu.

Application Hosting						
Show 10 entries		Search:				
#	Application No.	Application Name	Request Status	SDC Status	DEPT. Status	Activity
1	AH001384	Test 28-Nov-2024 06:05:46	Submitted	Escalated	Waiting For Approval	-
2	AH001383	Test 28-Nov-2024 05:58:35	Incomplete	--	--	-
3	AH001382	Test 28-Nov-2024 05:58:35	Incomplete	--	--	-
4	AH001381	XXX 28-Nov-2024 05:15:43	Incomplete	--	--	-
5	AH001380	XXX 28-Nov-2024 05:03:41	Incomplete	--	--	-
6	AH001379	XXX 28-Nov-2024 04:58:29	Incomplete	--	--	-
7	AH001351	Tribunal 30-Sep-2024 01:44:30	Incomplete	--	--	-
8	AH000267	Demo 25-Nov-2021 04:16:30	Submitted	Recommended 25-Nov-2021 16:22:56	Approved 25-Nov-2021 16:23:36	-
Showing 1 to 8 of 8 entries						
Previous						Next

Backup Request

Click on Backup Request

State Data Centre
Department of E & E, Govt. of W.S.

WBSDC
Profile Details

Dashboard
Dept. Head/Authorised Person
New Hosting Request
Domain Request
New Domain Request
Domain Request Tracker
Hosting Request (VM)
Hosting Request Tracker
Hosting Request Tracker (Extra VM)
Hosting Request Tracker (Resize VM)
VPN Request Tracker
Port Request Tracker
Backup Request Tracker
Acceptance/audit Tracker
System Integrator Tracker
Hosting Request (Physical)
Hosting Request Tracker

Hosting Request Tracker

Dashboard / Hosting Request Tracker

Application Hosting

Show 10 entries

#	Application No.	Application Name	Request Status	SDC Status	DEPT. Status	Activity
1	AH001384	Test 28-Nov-2024 05:05:45	Submitted	Escalated	Rejected	-
2	AH001383	Test 28-Nov-2024 05:58:35	Incomplete	---	---	-
3	AH001382	Test 28-Nov-2024 05:58:35	Incomplete	---	---	-
4	AH001381	XXX 28-Nov-2024 05:05:43	Incomplete	---	---	-
5	AH001380	XXX 28-Nov-2024 05:03:46	Incomplete	---	---	-
6	AH001379	XXX 28-Nov-2024 04:58:29	Incomplete	---	---	-
7	AH001351	Tribunal 30-Sep-2024 05:44:30	Incomplete	---	---	-
8	AH000267	Demo 25-Nov-2021 04:36:50	Submitted	Recommended 25-Nov-2021 15:22:56	Approved 25-Nov-2021 15:23:56	-

Showing 1 to 8 of 8 entries

Previous 1 Next

VPN Request
Part Open Request
Backup Request (Physical)
Deploy to Production
Pending Certificates/Reports
Add System Integrator(s)
Add SDC VM
Resize VM

Fill up the form with the required information and click Save

Log In

Dashboard
Dept. Head/Authorised Person
New Hosting Request
Domain Request
New Domain Request
Domain Request Tracker
Hosting Request (VM)
Hosting Request Tracker
Hosting Request Tracker (Extra VM)
Hosting Request Tracker (Resize VM)
VPN Request Tracker
Port Request Tracker
Backup Request Tracker
Acceptance/audit Tracker
System Integrator Tracker
Hosting Request (Physical)
Hosting Request Tracker
VPN Request Tracker (Physical)
Port Request Tracker (Physical)
Backup Request Tracker (Physical)
Acceptance/audit Tracker

Application Name : Demo

Server Type : **DB Server**
Server IP : **172.20.86.136**

OS Details : **RHEL**
Host Name : **XXXX**

DB Name : **XXX**

Backup Path : **/xxxx/xxxx**

Frequency of Backup : **Daily** Backup Level : **Incremental** Time of Backup : **18:24**

Server Type : **Web Server**
Server IP : **172.20.93.219**

OS Details : **RHEL**
Host Name : **XXX**

Item Name : **XXX**

Backup Path : **/xxxx/xxx**

Frequency of Backup : **Monthly** Backup Level : **Full** Time of Backup : **21:25**

Save Cancel

Backup Request

Download the auto-generated file to get it signed and stamped by the undersigned and upload the same through the available link.

Once the file has been uploaded the status could be checked as shown below

Dashboard

Domain Request

Domain Request

Hosting Request (VM)

Hosting Request

Hosting Request (Extra VM)

Hosting Request (Resize VM)

VPN Request

Port Request

Backup Request

Acceptance/audit Tracker

System Integrator Tracker

Hosting Request (Physical)

Hosting Request (Physical)

VPN Request (Physical)

Port Request (Physical)

Backup Request (Physical)

Acceptance/audit Tracker(Physical)

Backup Requests

Show 10 entries

Search:

#	ID	Application	Requested By	Uploaded File	Approval Status (SDC)
1	BKPO135	eKYC 25-Nov-2024 18:37:41	FOOD AND SUPPLIES	 25-Nov-2024 17:08:25	Rejected 27-Nov-2024 11:48:53
2	BKPO134	OSCAR - Online Caste Certificate Portal 25-Nov-2024 12:29:17	BACKWARD CLASSES WELFARE	 25-Nov-2024 12:45:25	Approved 26-Nov-2024 11:15:30
3	BKPO133	CMO Public Grievance Redressal System 21-Nov-2024 13:33:10	CHIEF MINISTER'S OFFICE	 21-Nov-2024 15:33:21	Approved 21-Nov-2024 16:03:38
4	BKPO131	All Arrest Software 19-Nov-2024 18:33:17	SOCIETY FOR NATURAL LANGUAGE TECHNOLOGY RESEARCH (SNLTR)	 20-Nov-2024 15:53:20	Approved 20-Nov-2024 18:33:41
5	BKPO132	All Arrest Software 19-Nov-2024 18:34:22	SOCIETY FOR NATURAL LANGUAGE TECHNOLOGY RESEARCH (SNLTR)	 20-Nov-2024 15:53:20	Approved 20-Nov-2024 18:33:28
6	BKPO127	Swami Vivekananda Merit-cum-Means Scholarship 03-Nov-2024 20:57:34	HIGHER EDUCATION	 05-Nov-2024 10:05:05	Approved 05-Nov-2024 19:08:39

Internet Request

WBSDC will provide internet access for any requested VM through the hosting portal for a maximum duration of 24 hours only. To maintain Network Security there is no provision for granting a permanent internet connection to any VM provided by WBSDC.

Click on Facing Issue

The screenshot displays the WBSDC hosting portal interface. On the left is a sidebar menu with the following items: **Hosting Request (VM)**, Hosting Request Tracker, Hosting Request Tracker (Extra VM), Hosting Request Tracker (Resize VM), VPN Request Tracker, Port Request Tracker, Backup Request Tracker, Acceptance/audit Tracker, System Integrator Tracker, **Hosting Request (Physical)**, Hosting Request Tracker (Physical), VPN Request Tracker (Physical), Port Request Tracker (Physical), Backup Request Tracker (Physical), Acceptance/audit Tracker (Physical), and **Others**. The 'Facing an Issue?' link under 'Others' is highlighted with a red rectangle. The main content area has a light blue background and contains several sections:
1. Three 'Click Here' buttons in dark teal boxes at the top.
2. A 'System Integrator Tracker' section with a 'Click Here' button.
3. A 'Domain Request Tracker' section with a 'Click Here' button.
4. A 'Hosting Requests' section with three status boxes: 'Waiting' (6), 'Rejected' (1), and 'Approved' (1). A 'New Hosting Request' button is to the right.
5. A 'Hosting Requests (Physical)' section with three status boxes: 'Waiting' (0), 'Rejected' (0), and 'Approved' (1). A 'New Hosting Request Physical' button is to the right.
6. A 'Domain Requests' section with three status boxes: 'Waiting' (0), 'Rejected' (0), and 'Approved' (0). A 'New Domain Request' button is to the right.

Internet Request

Select Call for Internet option and provide the relevant information like VM IP start time and stop time of the Internet service required

Facing an Issue?

Request Type call *

Call for Internet (direct / proxy/ Virtual Machine)

Different Types Incident of call *

Server/Device Down

Description *

Server/VM IP details

Attachment
[Upload only .pdf file]

Choose file No file chosen

SUBMIT

Below is a snap of a Internet request ticket:

Name of the organisation: SOCIETY FOR NATURAL LANGUAGE TECHNOLOGY RESEARCH (SNLTR)
Name: PALASH KUMAR DUTTA
Phone: 8240825340
Email: palash.nltr@wb.gov.in

Ref No. : Ticket2173

Request Type call Call for Internet (direct / proxy/ Virtual Machine)	
Different Types Incident of call other	Explanation Kindly provide Internet access for 15 Days for the following VMs: Private IP: 172.20.141.54, Floating IP: 172.25.140.236 Private IP: 172.20.141.55, Floating IP: 172.25.141.71 Private IP: 172.20.61.15, Floating IP: 172.25.137.25 Private IP: 172.20.61.16, Floating IP: 172.25.129.204 Private IP: 172.20.143.69, Floating IP: 172.25.138.201 Private IP: 172.20.143.71, Floating IP: 172.25.130.175 Private IP: 172.20.143.72, Floating IP: 172.25.150.92
Description Kindly provide Internet access for 15 Days for the following VMs: Private IP: 172.20.141.54, Floating IP: 172.25.140.236 Private IP: 172.20.141.55, Floating IP: 172.25.141.71 Private IP: 172.20.61.15, Floating IP: 172.25.137.25 Private IP: 172.20.61.16, Floating IP: 172.25.129.204 Private IP: 172.20.143.69, Floating IP: 172.25.138.201 Private IP: 172.20.143.71, Floating IP: 172.25.130.175 Private IP: 172.20.143.72, Floating IP: 172.25.150.92	
Status IN PROGRESS	Reply CLOSE TICKET

Reply

Dear Sir, internet has been provided for 48 hrs.

By DCO, 09-Dec-2024 18:02:28 pm

Dear Sir, Ticket has been acknowledged.

By DCO, 09-Dec-2024 18:03:59 pm

Provisioning For Extra VM

We recommend that all organizations maintain a single hosting request for an application, as this simplifies management for both the requestor and WBSDC. Therefore, whenever there is a need to increase the number of VMs for an application, the requestor should utilize the “Extra VM” option instead of creating a new hosting request.

The process of requesting an Extra VM is nearly identical to requesting a New VM. To initiate this request, the respective department must submit it through the Hosting Portal. The provisioning activity will commence only after obtaining the necessary approvals. The Expected Time of Completion (ETC) for provisioning or decommissioning a single VM is 240 minutes from the moment WBSDC receives approval from the Department of IT&E.

Steps to apply for “Extra VMs” through hosting portal could be done as follows:

Application Hosting						
Show	10	entries	Search:			
#	Application No.	Application Name	Request Status	SDC Status	DEPT. Status	Activity
1	AH001384	Test 28-Nov-2024 06:05:46	Submitted	Escalated	Waiting For Approval	-
2	AH001383	Test 28-Nov-2024 05:58:35	Incomplete	--	--	-
3	AH001382	Test 28-Nov-2024 05:58:35	Incomplete	--	--	-
4	AH001381	xxx 28-Nov-2024 05:15:43	Incomplete	--	--	-
5	AH001380	xxx 28-Nov-2024 05:03:41	Incomplete	--	--	-
6	AH001379	xxx 28-Nov-2024 04:58:29	Incomplete	--	--	-
7	AH001351	Tribunal 30-Sep-2024 01:44:30	Incomplete	--	--	-
8	AH000267	Demo 25-Nov-2021 04:16:10	Submitted	Recommended 25-Nov-2021 16:22:56	Approved 25-Nov-2021 16:23:36	-

Provisioning For Extra VM

Click on Add Extra VM

 WBSDC
Profile Details

Dashboard

Dept. Head/Authorised Person

New Hosting Request

Domain Request

New Domain Request

Domain Request Tracker

Hosting Request (VM)

Hosting Request Tracker

Hosting Request Tracker (Extra VM)

Hosting Request Tracker (Resize VM)

VPN Request Tracker

Port Request Tracker

Backup Request Tracker

Acceptance/audit Tracker

System Integrator Tracker

Hosting Request (Physical)

Hosting Request Tracker

Dashboard / Hosting Request Tracker

Application Hosting

Show 10 entries

Search:

#	Application No.	Application Name	Request Status	SDC Status	DEPT. Status	Activity
1	AH001384	Test 28-Nov-2024 06:05:46	Submitted	Escalated	Rejected	-
2	AH001383	Test 28-Nov-2024 05:58:35	Incomplete	---	---	-
3	AH001382	Test 28-Nov-2024 05:58:35	Incomplete	---	---	-
4	AH001381	xxx 28-Nov-2024 05:15:43	Incomplete	---	---	-
5	AH001380	xxx 28-Nov-2024 05:03:48	Incomplete	---	---	-
6	AH001379	xxx 28-Nov-2024 04:58:29	Incomplete	---	---	-
7	AH001351	Tribunal 30-Sep-2024 08:44:30	Incomplete	---	---	-
8	AH000267	Demo 25-Nov-2021 04:16:10	Submitted	Recommended 25-Nov-2021 16:22:56	Approved 25-Nov-2021 16:23:36	-

VPN Request

Port Open Request

Backup Request (Physical)

Deploy to Production

Pending Certificates/Reports

Add System Integrator(SI)

Add Extra VM

Resize VM

Fill Required information for Extra VM Creation, if more than 1 VM is required click “Add VM”.

Hosting Name : Demo

Server Type

Application Server

CPU (core)

2

RAM (in GB)

2

Storage Type

Block/FC

Storage (in GB)

Probable size after One Year (in GB)

Operating System

e.g. Linux

DB Server

PGSQL

Web Server

Apache

Related Application Software details

Java

SUBMIT

Add VM

Provisioning For Extra VM

The request status could be check going to “Hosting Request Tracker (Extra VM)” option.

#	Application Name	Details	Status
1	Demo 20-Feb-2025 18:28:44	View	Waiting for approval

Provisioning For Resizing VM

In situations where the utilization of the server resources is running very high, VM resource augmentation request may be placed at the Hosting Portal with proper justification. WBSDC will check utilization from their end and will process if required resize request is truly justified. After necessary approvals the augmentation activity may be started.

WBSDC recommends to have proper consultation with System Integrator and Application development team for the reason behind the high resource utilization and apply for the increase accordingly.

WBSDC caters to approx. 250+ different organizations under the GoWB, hence we would urge all not be apply for the resources more than actually required.

To apply for a VM Resize Request, go to Hosting request tracker and click on “VM Resize

The screenshot displays the 'Hosting Request Tracker' interface. On the left is a sidebar menu with various request types, including 'New Hosting Request', 'Domain Request', 'Hosting Request (VM)', and 'VM Resize'. The main area shows a table of requests with columns for Application No., Application Name, Request Status, SDC Status, DEPT. Status, and Activity. A search bar and a 'Show 10 entries' dropdown are at the top right. A dropdown menu is open at the bottom right, highlighting 'Resize VM'.

#	Application No.	Application Name	Request Status	SDC Status	DEPT. Status	Activity
1	AH001384	Test 28-Nov-2024 06:05:46	Submitted	Escalated	Rejected	-
2	AH001383	Test 28-Nov-2024 05:58:35	Incomplete	---	---	-
3	AH001382	Test 28-Nov-2024 05:58:35	Incomplete	---	---	-
4	AH001381	xxx 28-Nov-2024 05:15:43	Incomplete	---	---	-
5	AH001380	xxx 28-Nov-2024 05:03:41	Incomplete	---	---	-
6	AH001379	xxx 28-Nov-2024 04:58:29	Incomplete	---	---	-
7	AH001351	Tribunol 30-Sep-2024 01:44:30	Incomplete	---	---	-
8	AH000267	Demo 25-Nov-2021 04:16:10	Submitted	Recommended 25-Nov-2021 16:22:54	Approved 25-Nov-2021 16:23:36	-

Showing 1 to 8 of 8 entries

Previous

- VPN Request
- Port Open Request
- Backup Request (Physical)
- Deploy to Production
- Pending Certificates/Reports
- Add System Integrator(s)
- Add Extra VM
- Resize VM**

Provisioning For Resizing VM

Fill the required information for VM Resize

Probable Size after One Year (in GB) 20		Operating System RHEL	
Finally Allocated CPU (core) : 2 RAM (in GB) : 4 Storage (in GB) : 50			
Request to update			
CPU (core) Select ▼	RAM (in GB) Select ▼	Storage (in GB) 	REQUEST
Private IP 172.20.86.136		Private IPv6 -	
Floating IP -			
DB Server MySQL		Web Server Apache	
Related Application Software details .Java			
Public IP		Public IPv6	
← Back to Hosting Tracker			

VM0404			
Server Type Web Server			
CPU (core) 2		RAM (in GB) 4	
Storage Type Block/FC		Storage (in GB) 50	
Probable Size after One Year (in GB) 10		Operating System RHEL	
Finally Allocated CPU (core) : 4 RAM (in GB) : 8 Storage (in GB) : 50			
Request to update			
CPU (core) Select ▼	RAM (in GB) Select ▼	Storage (in GB) 	REQUEST
Private IP 172.20.93.219		Private IPv6 -	
Floating IP -			
VM0405			
Server Type DB Server			
CPU (core) 2		RAM (in GB) 4	
Storage Type Block/FC		Storage (in GB) 50	

Provisioning For Resizing VM

To Find VM Resize Status go to “Hosting Request Tracker (Resize VM)”

Hosting Request Tracker (Resize VM)					
Show 10 entries		Search:			
#	Application No.	Application Name	Request Status	SDC Status	DEPT Status
1	AH00083	STAGING SERVER FOR SILPASATHE 19-Nov-2023 05:02:35	Submitted for VM0086 25-Nov-2024 18:55:45	Recommended 20-Nov-2024 18:59:18	Approved 20-Nov-2024 14:05:04
2	AH001225	8-Controll 22-Nov-2024 17:03:00	Submitted for VM0071 25-Nov-2024 17:03:07	Recommended 25-Nov-2024 17:00:33	Approved 20-Nov-2024 15:00:00
3	AH00131	Rent Control Management System 23-Aug-2023 09:05:44	Submitted for VM0179 29-Nov-2024 16:44:08	Recommended 20-Nov-2024 17:00:38	Approved 20-Nov-2023 10:28:01
4	AH00131	Rent Control Management System 23-Aug-2023 09:05:44	Submitted for VM0179 25-Nov-2024 14:34:34	Recommended 20-Nov-2024 17:01:23	Approved 20-Nov-2023 10:30:33
5	AH00131	Rent Control Management System 23-Aug-2023 09:05:44	Submitted for VM0177 25-Nov-2024 14:33:09	Recommended 20-Nov-2024 17:00:46	Approved 20-Nov-2024 10:34:52
6	AH00131	Rent Control Management System 23-Aug-2023 09:05:44	Submitted for VM0179 20-Nov-2024 14:33:23	Recommended 20-Nov-2023 17:00:29	Approved 20-Nov-2023 10:33:45
7	AH00833	WISC ERP APPLICATION 19-Nov-2023 05:18:35	Submitted for VM0188 21-Nov-2024 15:21:00	Recommended 23-Nov-2024 15:17:38	Approved 23-Nov-2024 16:00:38
8	AH00131	Rent Control Management System 23-Aug-2023 09:05:44	Submitted for VM0179 18-Nov-2024 16:40:20	Recommended 20-Nov-2024 28:06:11	Approved 22-Nov-2024 17:14:06
9	AH00131	Rent Control Management System 23-Aug-2023 09:05:44	Submitted for VM0177 18-Nov-2024 16:40:18	Recommended 20-Nov-2024 28:02:23	Approved 22-Nov-2024 17:08:49
10	AH00131	Rent Control Management System 23-Aug-2023 09:05:44	Submitted for VM0179 18-Nov-2024 16:39:48	Recommended 20-Nov-2024 28:08:59	Approved 22-Nov-2024 17:13:57
Showing 1 to 10 of 322 entries			Previous 1 2 3 4 5 ... 33 Next		

Physical Access Request

Physical Access Requests are mandatory for all users from various organizations under the Government of West Bengal (GoWB) or their technical personnel, such as System Integrators and Application Development teams, who require physical access to WBSDC for technical discussions with the WBSDC technical team. It is recommended that a senior official from the organization accompany their technical personnel if they belong to a third-party institution.

Organizations may also raise a physical access request in cases where large-scale data transfers are required. In such instances, data may be carried via an external disk drive, which will be thoroughly scanned for viruses, malware, and other security threats before being returned to the owner. WBSDC will then provide a jump server to facilitate high-speed data transfer, ensuring a significantly faster and safer rate than a VPN connection.

WBSDC emphasizes that all details provided in the physical access request must be accurate. If any discrepancies are found, the organization will be required to submit a fresh request to proceed with access approval.

To raise a Physical Access Request, find “Others” in the left-hand panel of the hosting portal, then find “Physical Access Request” link to raise the request.

Physical Access Request

To raise a Physical Access Request, find “Others” in the left hand panel of the hosting portal, then find “Physical Access Request” link to raise the request

Dashboard

Dept. Head/Authorized Person

New Meeting Request

Domain Request

New Domain Request

Domain Request Tracker

Meeting Request (Full)

Meeting Request Tracker

Meeting Request Tracker (Strive VM)

Meeting Request Tracker (Strive VM)

VPN Request Tracker

Port Request Tracker

Backup Request Tracker

Acceptance/Work Tracker

System Integrator Tracker

Meeting Request (Minimal)

Meeting Request Tracker (Preview)

VPN Request Tracker (Preview)

Port Request Tracker (Physical)

Backup Request Tracker (Physical)

Acceptance/Work Tracker (Preview)

Others

Facing an Issue?

Ticket Tracker

SDC Message Tracker

Physical Access Request

Physical Access Request List

VPN Users

Login



Physical Access Request to WISDC

Visitor's Name

Email Address

Mobile Number

Visitor is from the Department?

Application Type

Name of Application

Access Duration (in hours)

Access Needed from

Access Needed till

Reason for visit

Will you be bringing any IT equipment?

Submit

Security for Next-Gen Long-range Technology Research

under Department of Information Technology & Research

Ministry of Water Design

Provide required details as per the form and click Submit.

The Status of this request could be found under "Physical Access Request List".

Physical Access Request List							
Show	10 ▾	entries	Search:				
#	Visitor's Details	SI Organisation /Vendor Name	Application Type	Name of Application	Access Duration	Access Needed (From-To)	Reason for visit
1			PHYSICAL	(AHP000071) TEST	NA	2024-09-11 00:00 2024-10-23 23:59	Please allow physical access for the following persons at WBSDC server firm area (1st Floor, 2nd Floor)
	2024-09-11 15:26:00						

Showing 1 to 1 of 1 entries

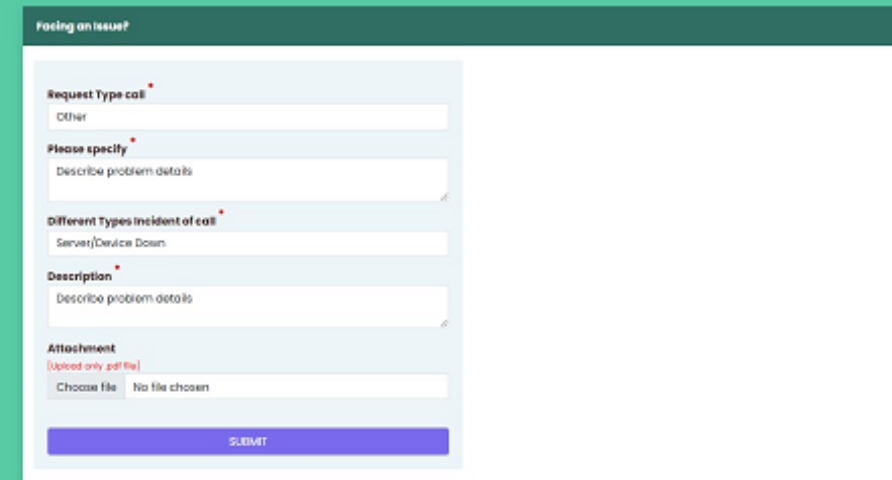
Previous 1 Next

Facing an Issue

This option of the portal is needed to be used to request for Internet Access as mentioned in section 4.7.

Apart from that if there is any other kind of problems being faced with the application hosted at WBSDC it may be raised. Each ticket raised at “Facing an Issue” will have a TAT of 60mins.

We would request you to have a proper discussion with your System Integrator and Application Development teams before raise a concern and for checking the issue resolution and integration



The screenshot shows a web form titled "Facing an Issue?". The form is divided into several sections with labels and input fields:

- Request Type call**: A dropdown menu with "Other" selected.
- Please specify**: A text input field with the placeholder "Describe problem details".
- Different Types Incident of call**: A dropdown menu with "Server/Device Down" selected.
- Description**: A text input field with the placeholder "Describe problem details".
- Attachment**: A section with the sub-label "(Upload only .pdf file)". It contains a "Choose file" button and the text "No file chosen".
- SUBMIT**: A blue button at the bottom of the form.



Disaster Recovery (DR)

Recently WBSDC has built a Disaster Recovery Site at Purulia. All the DB/Data VMs which are in production will be replicated to DR site.

The Data replication takes place 4 times a Day.

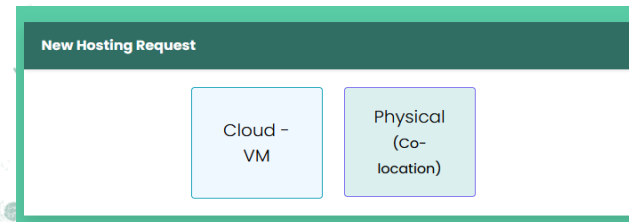
The Data replication happens within secure MPLS point to point connectivity.

Co-Location Service

WBSDC provides co-location services to various Departments under GoWB, where the devices procured by the Department may be placed at the server farm area of WBSDC. WBSDC provides only the space, power & cooling services to those devices. WBSDC recommends using their own network connectivity. This eliminates the possibility of any kind of congestion, blocking etc. and creates an environment with no dependencies. Incases, where WBSDC network is being used, the details of the servers are needed to be fed at the hosting portal.

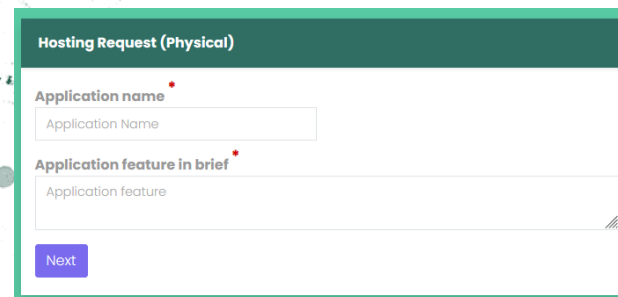
The steps to do add the servers are mentioned below:

Go to New Hosting Request and click Physical (Co-Location)



The screenshot shows a web form titled "New Hosting Request". It contains two buttons: "Cloud - VM" and "Physical (Co-location)". The "Physical (Co-location)" button is highlighted with a blue border, indicating it is the selected option.

Enter the application details as mentioned



The screenshot shows a web form titled "Hosting Request (Physical)". It contains two text input fields: "Application name" and "Application feature in brief". The "Application name" field has a red asterisk next to the label. The "Application feature in brief" field has a red asterisk next to the label. Below the fields is a blue "Next" button.

Co-Location Service

Select the required details

Hosting Request (Physical)

Application name *

11

Application feature in brief *

111

Is the domain registered? *

No

Please state if the application has been evaluated through Web Application Security Assessment(WASA)/Security Audit? *

No

Next

Co-Location Service

Enter the details of the server as mentioned on the form and click next

Hosting Request (Physical)

Staging Server

Server Type

Make

Model

Serial Number

CPU (core)

2

▼

RAM (in GB)

2

▼

Operating System

e.g. Linux

Storage Type

Block/FC

Storage (in GB)

Licensed software installed?

NO

▼

DB Server

e.g. Oracle

Web Server

e.g. Apache

Application Server

e.g. J2EE

Related Application Software details

e.g. Python

Do you have deployment architecture?

NO

▼

Upload used device details [Upload only .pdf file]

Browse...

No file selected.

IP requirement

Private IP

☐

Cluster IP

☐

ILO/Management IP

☐

Any other information you want to share

Next

Important Notes

It is mandated that all Organizations to appoint a System Integrator (SI) along with the software/application developers so that apt specifications of the Virtual Machines can be ascertained and fine-tuning of the VMs can be done from time to time. The Department of Information Technology and Electronics, Government of West Bengal has already empaneled three companies under Government Order No. **1104(56)-ITE-18011/3/2020** to ease this process. WBSDC will not be responsible for managing the VMs that have been handed over to the Department. Upkeeping of the same, respective Department may communicate with their SIs.

As per industry standard practice, the OS partition (for Windows) or ROOT partition (for Linux) should not be used to install or configure the application/website as there is a huge chance of data loss in case the OS crashes for any reason. WBSDC will not be held responsible if an OS crash due to incorrect configuration of the VM. Considering the reason, it is requested to involve experienced SI by respective Department.

At present SDC is providing OS installation and support for Windows Server 2016 and Windows Server 2019 and Red Hat Enterprise Linux 8.10 and Red Hat Enterprise Linux 9.5 only. WBSDC may also provide Ubuntu 20.04 and Ubuntu 22.04, but without OS support. If the Organization requires any other OS the same needs to be installed by their SI team, after testing compatibility with the WBSDC cloud environment.

Important Notes

Strong Authentication Mechanisms
Multi-Factor Authentication (MFA): SDC has MFA to provide an additional layer of security for VPN access, combining something the user knows (password) with something the user has (SMS).

Credential Revocation: WBSDC has implemented procedures for promptly revoking VPN access in case of network security compromise due to the actions of specific user. All Departments, Directorates, Corporations, Agencies, and Parastatals of the Government of West Bengal are requested to provide VPN access removal requests when an employee leaves or gets transferred from the organization, along with access revocation of System Integrators (SI) and Developers in case they are no longer associated with the particular Organisation. WBSDC mandates that all Organisations whose applications are hosted at SDC also follow such measures

Application may not go-live without a domain/URL.

Application may not go-live without a valid SSL certificate.

WBSDC only provides *.wb.gov.in 4th and 5th level of domains

Please be noted that this presentation has been prepared as per the current Hosting portal and the same will be changed when we go live with the new revamped Hosting Portal.



Thank You