

Tele No: 33943

929/AHCC/Tech Vetting
2024

09 Jul

ARMY HEADQUARTERS COMPUTER CENTRE
(AHCC)

WHITELISTING OF SOFTWARE – VIKALP
(VITAL INVENTORY KEEPING AND LGS PORTAL)

1. Ref DG Sigs (Sigs-7) Note B/46850/IT/Sigs 7(a)/253A dt 12 Jul 2024.
2. The ibid case was analysed and fwg needs to be highlighted: -
 - (a) **Database Normalization.** Considering the complexity and data integrity issues, it is advisable that the database must be normalised adhering to **3NF & BCNF** normal forms.
 - (b) **CI of Appl & Appl Level Backups.** As per Data Governance Policy 2024, the Sponsor Dte is resp to provide the ci of the appl (Msn Critical/ Non Msn Critical) after its vetting by DGMO (MO-10). Furthermore, Appl level backups are reqd to be triggered by appl owner/ Sponsor Dte. The mechanism of database backup be demonstrated during arch and layout vetting.
 - (c) **Bandwidth Reqmt.** Number of concurrent users accessing the services and bandwidth reqmt on ADN to be highlighted. No dedicated bandwidth will be provisioned and only common user bandwidth on ADN will have to be utilized.
 - (d) **Encryption.** IACA SSL cert to be incorporated for secure HTTPS connection on ADN.
 - (e) **Integ with Identity Access Mgt (IAM) & PKI Infrastructure.** As the appl will have restricted access, the Appl developer to devp the apps for integ with IAM and PKI infra.

SAML 2.0/ protocol needs to be enabled in the appl for carrying out the appl integ with IAM.

(f) **Resource Utilization.** The fwg be ensured in term of resource utilization: -

(i) Size of VMs be not more than 4TB.

(ii) Compute resources, viz CPU & RAM utilization considering no of concurrent users be given to AHCC.

(iii) **HA (High Availability).** It is advised that the appl should have min two instances running on HA (High Availability) and the same be impl at Database and frontend level.

(g) **Software.** Sponsor Dte is responsible for provn of licensed Win Server OS and other reqd sp software for their website.

(h) **Latest Devp Stack.** It has been obs that the appl is being developed on Spring MVC framework on Java 8. It is recom that upgraded and latest ver of JAVA viz **JAVA 11 or later** be used for enhanced performance, security and long term support.

(j) After necy Cyber Security and content vetting, Sponsor Dte should fwd the VDI of the website along with GIGW cert to AHCC for Layout and Architecture vetting. Subsequently DNS registration and IACA SSL cert requests be fwd to AHCC.

(k) The appl machine should be registered in **army.mil** domain and requisite cyber security measures incl Patch Mgt agent and Antivirus agent should be installed. The onus of updating the devp stack and patching critical vulnerabilities in the appl devp stack lies with the sponsor Dte.

(l) **Offline Copy.** An offline copy of appl to incl the website code and database be kept at appl Sponsor premises for addl redundancy.

(m) **Data Archival.** Data archival mechanisms be defined to ensure that addl overhead of archival data is not on the live instance of appl running at the Data Centre.

(n) **Vetting Certs.** All mandatory vettings/ clearance certs are reqd to be submitted to DG Sigs (AHCC) for providing a link on the IA web portal.

S No	Vetting	Vetting Agency
(i)	Cyber Security Vetting	Army Cyber Gp
(ii)	Content Vetting	DGMI (MI-11)/ Comd GS Int Br
(iii)	Layout & Architecture	DG Sigs (AHCC) (Ref Army Portal → Help & Support → GIGW)
(iv)	Watermarking of pdf files (if any)	Sponsor Dte/Fmn (Ref Army Portal → Help & Support → watermark)
(v)	Secure Socket Layer (SSL) Cert (https)	DG Sigs (AHCC) (Ref Army Portal → Imp Link → IACA Web portal → Download → SSL Cert Form)
(vi)	DNS Registration	Sponsor Dte/Fmn (Ref Army Portal → Help & Support → DNS regn)

3. For info and necessary action pl.

(Mohit Guleriya)
Maj
OIC Nw Mgt & Web
Services Sub Gp
for Comdt

DG Sigs (Sigs-7)