

BTS SERVICES INFORMATIQUES AUX ORGANISATIONS
Sous-épreuve E12- Expression et communication en langue anglaise
Session 2023

Coefficient 1

Durée maximale de l'épreuve : 20 minutes

Préparation : 20 minutes

Déroulement de l'épreuve :

- 1) Expression orale en continu (5 minutes maximum)

Présentation en anglais de l'analyse du dossier et de la situation en lien avec le secteur professionnel

- 2) Expression orale en interaction (15 minutes maximum)

Échange en anglais avec l'examinateur à partir de l'analyse du dossier et des réponses apportées au questionnaire accompagnant la mise en situation

L'usage d'un dictionnaire n'est pas autorisé.

Composition du dossier du candidat

Document A	Vidéo : What Is a VPN? (1'28)
Document B	Texte : 3 Reasons Your Business Needs A Next-Gen VPN
Mise en situation et questionnaire	

Ce sujet comporte 3 pages. Il est conseillé au candidat de vérifier que le sujet est complet.

DOSSIER DU CANDIDAT : VPN

Document A

Vidéo : What is a VPN? (1'28)

ExpressVPN, January 18, 2022

Document B

3 Reasons Your Business Needs A Next-Gen VPN

Remote Access

Your office network is probably protected by a firewall. Employees use the network to access printers and apps, connect to IT resources, share files, and more. Company networks provide secure connections. What about home networks?

Hybrid and remote workforces are becoming the norm. That means more employees are using home networks (or coffee shop hotspots) for internet access. Those same employees need access to on-site resources. With a remote access VPN employees can securely log on to your office network from anywhere.

Access Control

What is access control? It's controlling who gets access to what. Access control is one benefit of VPNs. A VPN can control access by authenticating and authorizing users. To do this it goes through:

1. Identification: Verifying a person or application is who or what it claims to be.
2. Authentication: Proving the user's identity (usually with a password).
3. Authorization: Granting the appropriate access levels and permissions associated with the username or IP address.

Cybersecurity

Encryption, a primary feature of VPNs, scrambles data so only authorized users can see it. VPN content filters block harmful content to protect networks and users.

The most obvious uses for content filtering are NSFW ('not safe for work') content. It also guards against Domain Name System (DNS) hijacking attempts such as:

- Middleman Attacks
- Malware Attacks
- Cache Poisoning
- Rogue DNS Server
- Router Exploitation

An enterprise-grade VPN service can help prevent each of these by protecting routers and DNS servers.

openvpn.net, January 2023

MISE EN SITUATION

As the IT technician of your company, you must convince your boss that a VPN is a necessary step toward greater security and show him the benefits of VPN solutions.

QUESTIONNEMENT

What is a VPN?

How does it help?

In which cases does a company need one?

What are the major benefits of this solution?

From your experience, are there any downsides?