

**SCHOOL OF INFORMATICS & IT**

**Diploma in [Cybersecurity]**

**Case Study Report**

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**Section 1 Introduction**

N&C Tech is a mid-sized technology company that provides IT solutions and services to a diverse range of clients. With approximately 250 employees, the company operates through several departments, including Human Resources (HR), Accounting, Marketing or Sales, Technical Support, and Product Development. As the company grows, it seeks to enhance operational efficiency by migrating some of its non-critical applications and data from its on-premises infrastructure to the cloud. This move is aimed at streamlining processes, reducing costs, and improving scalability. As a mid-sized business, N&C Tech falls within the Organisation for Economic Co-operation and Development (OECD)’s classification of companies with 50 to 250 employees, which helps define its infrastructure needs and the most suitable cloud service models to support its operations. As the company continues to expand, it requires flexible and scalable IT solutions that can evolve over time**. The focus of the cloud migration** will be on **non-critical applications, including Customer Relationship Management (CRM), Human Resource Management (HRM), and Enterprise Resource Planning (ERP) systems.** These systems are vital for daily operations, such as managing customer interactions, business processes, and payroll. Sensitive information, such as financial data and personal employee details, will remain on-premises or in secure private cloud infrastructure to ensure compliance with data protection regulations. By migrating these applications to the cloud, N&C Tech aims to reduce the need for on-premises infrastructure, scale IT resources more easily, and enhance flexibility. Sensitive data, such as financial and employee records, will remain on-premises or in a private cloud to comply with the Personal Data Protection Act (PDPA) and other regulatory standards. This transition will help improve operational efficiency, business agility, and compliance with industry standards, such as the Personal Data Protection Act (PDPA), positioning the company for continued growth and long-term success.

#### **1.1 Company Network Infrastructure Considerations**

N&C Tech’s current network infrastructure is designed to support around 250 employees, each using a variety of end devices such as laptops, desktops, smartphones, tablets, and printers. The company also has a **Bring Your Own Device (BYOD) policy**, which allows employees to use their personal devices for work. This adds a layer of complexity to network management and security, especially since employees are also able to work from home. To meet the demands of this diverse device environment, the company utilizes different switches like the core switches, distributed switches, and edge switches. The core switches manage high-speed data traffic and redundancy. Distribution switches interconnect departments and prioritize traffic. Edge switches and Wi-Fi access points connect end devices. Each Wi-Fi access point can support up to 20 devices, so the network must be sized accordingly to accommodate everyone. The IP addressing is a mix of static and dynamic IPs for both devices and servers, with non-interactive devices like printers and scanners also assigned their own unique IPs to ensure proper connectivity. The company operates from a 5,000-square-foot, single-floor office, where Wi-Fi coverage is critical. Each access point has a typical range of about 30 meters, so careful planning and strategic placement of network switches and access points are essential to ensure that all employees have reliable connectivity throughout the office.

#### **1.2 Impact of Migration on Network Infrastructure**

Migrating non-critical applications and data to the cloud will have a significant impact on N&C Tech's network infrastructure. This change will require careful planning to address increased bandwidth needs, cloud connectivity, and security concerns. As the company shifts to cloud-based applications, the demand for a stable and fast internet connection will grow, meaning the company will need higher bandwidth for both internal and external communications. Applications like CRM and ERP, which will be hosted in the cloud, require stable and high-speed internet connections for smooth operation. To support this, the company should upgrade its internet service to a minimum of 500 Mbps, with scalable options in place to increase bandwidth as the business grows and cloud usage expands. Network switches and Wi-Fi access points will be crucial in ensuring secure and reliable connectivity to the cloud. The core and edge switches will help manage the flow of data between the internal network and cloud services, making sure everything runs smoothly. On the security front, it will be essential to implement strong protocols like firewalls, Virtual Private Networks (VPNs), encryption, and multi-factor authentication (MFA) to protect data both while it’s being transferred and when it's stored in the cloud. Furthermore, to maintain high levels of network reliability, the company should consider adding a secondary internet connection as a backup in case of outages and utilize load balancing to efficiently distribute network traffic across multiple servers These measures will help ensure that the migration process is secure so that sensitive data remains protected throughout.

#### **1.3 Importance of Cloud Migration for N&C Tech**

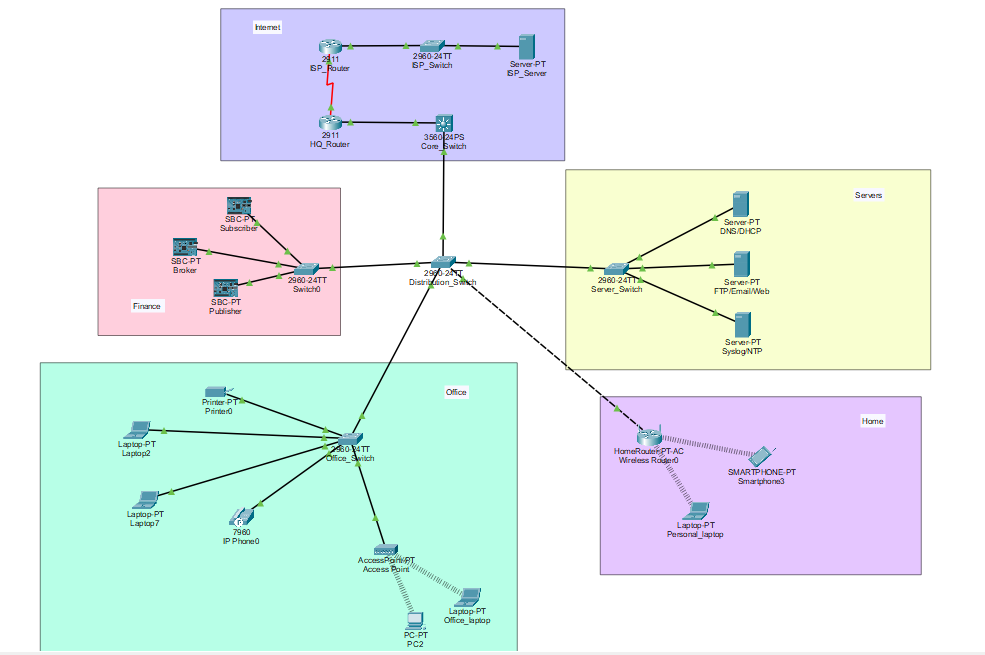
Migrating non-critical applications to the cloud brings many benefits to N&C by helping the company grow and operate more efficiently. One of the biggest advantages is cost savings. By moving to the cloud, N&C Tech can avoid the high costs of maintaining on-site servers and hardware. Instead, the company only pays for what it uses, which can save around 20-30% on IT costs. This gives the company more budget to invest in other areas. The cloud also makes it easier to scale up as the company grows. If N&C needs more storage or computing power, it can add these resources quickly without the need for big upfront investments in physical infrastructure. This flexibility is especially helpful during busy times, such as launching new products or expanding operations. Plus, the cloud allows employees to access important systems like CRM, HRM, and ERP from anywhere, which is great for remote work and helps increase productivity. Security is another important benefit of cloud migration. Cloud providers offer strong security features like automatic updates, real-time threat monitoring, and disaster recovery plans. This helps N&C keep its data safe and reduces the risk of security breaches. In the end, moving to the cloud helps N&C Tech stay competitive, adapt quickly to changes, and set itself up for future growth and success.

**Section 2 Company network**

Internet

Might need to upgrade the equipment to support higher bandwidth and more simultaneous connections. (This is enough to handle the 250 users.)

192.168.1.0/28

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Servers

192.168.4.0/28

No. of servers of each type(DNS/NTP/FTP) should be around 1 or 2 servers for this medium size company.

Finance

No. of employees: around 35 (10-15% of workforce)

192.168.2.0/28

Office

No. of employees: around 175-200 employees (70-80% of workforce)

Need enough switch to handle all end device each switch can handle around 35 devices. 1 printer per 10-15 user. Access point wifi for 20-30 users. scale printer by x 11, access point x10, laptop x 175, smartphone also 175.

192.168.3.0/26

Home

No. of employees: around 250 (the whole company all can work from home) so times 250 (x 250) of this setup.

192.168.5.0/28

times 5

Figure1 Topology of the Network of N&C

Topology explanation

This network is designed to efficiently connect and manage different parts of an organization while being simple and secure and scalable. At the center of the network is the **Core Switch**, which acts like a backbone, connecting all the sections. The **Internet Section** links the organization to the outside world through a **service provider’s router and switch**. The **HQ Router**, which uses an IP range like **196.128.1.0/28**, manages internet traffic securely and efficiently. The **Finance Section** is set up for the financial team and uses specialized devices like a **broker, publisher, and subscriber** to handle financial tasks. These devices are connected through their own switch and use a subnet like **196.128.2.0/28**, keeping their communication separate and secure. The **Office Section** is where employees’ work devices, such as **laptops**, a **printer**, and a **wireless access point**, are connected through the **office switch**. To handle the larger number of devices, this section uses a bigger subnet, like **196.128.3.0/26**. The **Servers Section** includes important servers for things like assigning IP addresses (**DNS/DHCP**), hosting websites and emails (**FTP/Email/Web**) and managing logs and time synchronization (**Syslog/NTP**). These servers are assigned static IPs in a range like **196.128.4.0/28** to ensure they are reliable and easy to manage. To ensure the organization’s data is safe, regular **backups** should be implemented for all critical servers. This protects against data loss caused by hardware failure, cyberattacks, or human error, ensuring business continuity. The **Home Section** represents the personal networks of employees working remotely. Devices like personal laptops and smartphones in this section get their IPs dynamically from a range such as **196.128.5.0/28**, allowing flexibility for each employee. All these sections are connected through a **Distribution Switch**, which acts like a hub to manage traffic between them. By using subnets, the network is well-organized, secure, and makes the best use of IP addresses. The combination of **wired and wireless connections**, **static and dynamic addressing**, and clear segmentation ensures that the network is reliable and easy to expand and meets the needs of the organization effectively. With the addition of **regular backups** and redundancy, this network ensures both data protection and consistent operation even in the face of unexpected issues.

### **Impact of Company Departments on Cloud Service Selection at N&C Tech**

At N&C Tech, each department has unique IT needs that play a significant role in selecting the right cloud services for migrating non-critical applications. The company uses different cloud models, such as Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS), based on the specific requirements of each department. Here's how each department's needs shape the cloud service choices:

#### **1. Human Resources (HR)**

The HR department manages sensitive employee data such as payroll, benefits, recruitment, and performance management. Since HR data is highly confidential and requires strict security measures, the department favors **SaaS solutions** like Workday or BambooHR. These platforms ensure that sensitive data is securely stored and handled, providing automated updates and compliance with data protection regulations. SaaS is ideal for HR because it eliminates the need for maintaining on-premises infrastructure, making it a scalable and efficient option that focuses on security.

#### **2. Accounting/Finance**

The Accounting and Finance departments handle critical tasks such as financial reporting, tax compliance, and vendor payments. These functions require high availability, real-time data access, and top-tier security features. To meet these demands, **SaaS platforms** like QuickBooks Online and Xero are used. These platforms provide robust financial management capabilities, offer built-in security features, and are scalable to accommodate the growing financial needs of the company. Using SaaS allows the finance team to concentrate on their core tasks without worrying about managing the IT infrastructure.

#### **3. Sales/Marketing**

Sales and marketing teams need efficient tools to manage customer relationships, sales tracking, and marketing campaigns. They rely on **SaaS solutions** such as Salesforce and HubSpot, which offer powerful CRM features, marketing analytics, and integration with other systems. These platforms allow the teams to focus on customer engagement and campaign management without needing to manage infrastructure. The scalability and accessibility of SaaS ensure that the sales and marketing functions run smoothly and efficiently.

#### **4. Technical/Development**

The Technical/Development department is focused on creating software, maintaining internal systems, and handling product development. This department requires flexible, customizable cloud resources for testing, development, and hosting. **PaaS solutions** like Azure App Services and AWS Elastic Beanstalk are ideal because they provide scalable platforms for building and deploying applications. Additionally, **IaaS services** like AWS EC2 are used to provision virtual servers for testing and development. These solutions offer the control the technical team needs over the development process while abstracting away the complexity of managing physical hardware.

#### **5. Management/Executive**

The management team requires tools for data-driven decision-making, business intelligence, and performance reporting. **SaaS platforms** such as Power BI or Tableau are perfect for this purpose, as they provide advanced analytics, visualizations, and real-time reporting tools. These platforms integrate with other business systems and allow executives to track performance across departments, analyze key business metrics, and make informed strategic decisions.

Overall, the diverse needs of N&C Tech’s departments directly influence the selection of cloud services. **SaaS** **is the preferred choice for HR, finance, sales, and management** due to its ease of use, security, and scalability. On the other hand, **PaaS** and **IaaS are better suited for the technical department**’s need for more customized, flexible cloud resources. Each department’s unique requirements shape the cloud strategy, ensuring that N&C Tech uses the best-fit solution for every function within the company.

**Optimizing Cloud Resources for the Integration**

To successfully integrate Human Resource Management (HRM), Customer Relationship Management (CRM) Supply Chain Management (SCM) Enterprise Resource Planning (ERP), systems into N&C Tech’s cloud infrastructure, it’s essential to make the best use of three core cloud resources: compute, network, and storage. Each of these resources plays a key role in ensuring that the company’s business applications perform well, are scalable, and remain secure as they transition to the cloud. Here’s how each resource impacts the migration:

### **Compute:**

When moving to the cloud, compute resources are needed to run applications and process data. For software like HRM and CRM , which are offered as SaaS (Software as a Service), the cloud provider takes care of managing the compute resources. This means N&C Tech doesn’t need to worry about handling the hardware or scaling the compute resources themselves. However, for more customized applications, like ERP or SCM systems, which may be set up using PaaS (Platform as a Service) or IaaS (Infrastructure as a Service), compute resources need to be more flexible. The cloud must be able to automatically adjust based on how much computing power is needed at any given time. For this, services like **AWS EC2** or **Azure Virtual Machines** are great options, as they can resize based on demand, ensuring that N&C Tech only pays for the resources they need and maintains strong performance during busy periods.

### **Network:**

A fast and reliable network is essential for cloud applications to work smoothly. As N&C Tech migrates to the cloud, having a high-speed internet connection is crucial for accessing SaaS platforms like HRM or CRM systems without interruptions. It’s also important that the internal network at N&C Tech is set up to connect on-premise systems (which may still be in use) to cloud applications. This ensures that data flows seamlessly between the two environments. To further improve the network performance, **Software-Defined WAN (SD-WAN)** can be used. SD-WAN helps optimize internet connectivity by ensuring faster, more secure, and low-latency communication between cloud systems and the company’s on-premise infrastructure, which is especially important when transferring large amounts of data.

### **Storage:**

Storage is key to managing the large amounts of data generated by various departments. For example, **Accounting** handles sensitive financial data, while **Sales/Marketing** manages large volumes of customer information. Cloud storage solutions like **AWS S3** or **Azure Blob Storage** offer flexible and cost-effective options for storing data. Data can be categorized into **hot storage** (for frequently accessed data) and **cold storage** (for archived or less-accessed data), which helps optimize costs. For high-performance data that needs to be accessed quickly, **block storage** is used, while **object storage** is suitable for large, infrequently accessed data. By using the right storage solutions, N&C Tech can manage data efficiently while minimizing costs.

By optimizing compute, network, and storage resources, N&C Tech will be able to integrate its ERP, HRM, CRM, and SCM systems into the cloud successfully. This will ensure that the company’s business processes run smoothly, securely, and efficiently, supporting both current operations and future growth.

#### **2.3 DNS and IP Address Considerations During the Migration**

When moving to the cloud, it's important to manage DNS (Domain Name System) and IP addressing carefully to ensure everything runs smoothly and securely. DNS records need to be updated to point to the cloud-hosted services, and this should be done in a way that avoids downtime. DNS failover setups are also necessary, so if something goes wrong, traffic can be automatically redirected without interrupting services. In a Hybrid Cloud setup, using a private DNS within the cloud ensures internal systems communicate securely without exposing sensitive data to the public internet. DNS caching helps speed up the process, so users can quickly access the updated cloud services.

IP addressing is also crucial during migration. Internal systems, like ERP and HRM, should use private IP addresses for secure communication, while public-facing services, such as CRM, need public IP addresses to be accessible to users outside the company. These public services must be protected with firewalls and load balancers to prevent attacks. Additionally, properly organizing the network by using subnets for different departments helps keep things running smoothly. This reduces network congestion and ensures that each department's data is handled efficiently. Managing these elements well ensures a secure, reliable, and optimized cloud migration.

During the migration, DNS records for CRM and HRM systems will be updated to point to cloud-hosted services. To minimize disruptions, a DNS failover system will ensure seamless traffic redirection in case of errors. For internal communication, private IP addresses (e.g., 10.0.x.x) will secure hybrid connections, while public-facing services like CRM will utilize public IPs protected by firewalls and load balancers. Proper subnetting will segregate departmental data, ensuring security and optimized bandwidth.

#### **2.4 Consolidation, Virtualization, and Automation Processes**

As N&C Tech moves to the cloud, it has a chance to modernize and improve its infrastructure by consolidating, virtualizing, and automating its systems. **Consolidation** means reducing the number of physical servers by moving workloads to fewer cloud instances. This simplifies IT management, lowers the need for physical hardware, and makes better use of available resources, which helps save costs and improve performance.

**Virtualization**, using services like AWS EC2 or Azure Virtual Machines, allows the company to scale resources up or down without relying on physical hardware. This flexibility enables better allocation of resources based on demand and offers increased security and performance by isolating workloads. **Automation** is also key to improving cloud operations. Tools like Terraform, AWS CloudFormation, and Azure Automation can automate tasks such as provisioning servers, deploying applications, and configuring networks. This reduces the chances of human error and speeds up the migration process. Automation also supports **auto-scaling**, where cloud resources automatically adjust to meet changing demands, which helps reduce downtime and ensures systems run efficiently.

**Section 3 Service**

There are three primary cloud service models that N&C Tech can consider for its migration: **Infrastructure as a Service (IaaS)**, **Platform as a Service (PaaS)**, and **Software as a Service (SaaS)**. Each of these services offers distinct benefits and drawbacks depending on the requirements of the company. Cloud services such as SaaS simplify IT management for departments by eliminating the need for infrastructure management. PaaS/IaaS supports customizable solutions, such as deploying scalable applications in a controlled environment. In the case of N&C Tech’s migration of non-critical applications and data, **SaaS (Software as a Service)** is the most suitable cloud service model. SaaS eliminates infrastructure maintenance and supports rapid growth with pay-as-you-go models. While SaaS is ideal for most applications, N&C Tech could consider PaaS like AWS Elastic Beanstalk for custom-built technical tools and IaaS like Azure for scalable testing environments. These services provide control over configurations, allowing flexibility in development while minimizing costs. **Saas is mainly choosen because:**

**1. HR, Accounting, and Sales/Marketing Requirements**

N&C Tech's HR department requires specialized software for managing employee records, payroll, benefits, and recruitment. SaaS platforms like Workday or BambooHR are ideal because they provide secure, ready-to-use solutions that require minimal setup. Similarly, accounting departments need financial software to manage records, tax reports, and vendor payments. Cloud-based tools like QuickBooks Online or Xero meet these needs with built-in security and compliance features. For sales and marketing, customer relationship management (CRM) tools like Salesforce or HubSpot are perfect, offering easy access and minimal infrastructure management.

**2. Ease of Deployment and Maintenance**

One of the biggest advantages of SaaS is how easy it is to deploy and maintain. Since the cloud service provider hosts and manages the software, N&C Tech’s IT team doesn’t need to worry about system updates, patches, or server maintenance. This reduces the internal IT workload, allowing the team to focus on other important tasks. Platforms like Office 365 for collaboration or Salesforce for CRM require minimal setup, making them perfect for a growing company like N&C Tech.

**3. Scalability**

SaaS platforms offer significant scalability. As N&C Tech grows, it can easily add more users, storage, or features without needing to worry about hardware upgrades or over-provisioning. SaaS solutions allow the company to pay only for what it uses, helping to optimize costs as it expands.

**4. Cost-Effectiveness**

SaaS helps N&C Tech avoid large upfront investments in physical hardware. Instead of spending money on servers and infrastructure, the company can subscribe to cloud-based services with monthly or annual fees. This makes budgeting more flexible and eliminates the costs associated with maintaining and replacing physical equipment.

**5. Security and Compliance**

SaaS platforms come with built-in security features, such as encryption, multi-factor authentication, and compliance with industry standards. For sensitive data like payroll or customer information, these platforms ensure it remains protected and meets regulatory requirements. Providers like Salesforce, Workday, and QuickBooks follow best practices in data security and regularly undergo audits to ensure they meet the highest standards.

**6. User Accessibility**

With SaaS applications, employees can access systems from anywhere with an internet connection, whether they’re working remotely or in branch offices. This flexibility supports N&C Tech’s distributed workforce, helping employees stay productive and maintain business continuity across different locations. Employees can easily access platforms like Salesforce, Office 365, or QuickBooks from laptops, tablets, or mobile devices.

**7. Low IT Maintenance**

By choosing SaaS, N&C Tech significantly reduces the maintenance burden on its IT team. The service provider takes care of all system updates, patches, and security measures, so the IT department doesn’t have to spend time on these tasks. This allows the team to focus on more strategic projects. Moreover, most SaaS platforms offer 24/7 support, reducing the need for internal IT intervention.

**Section 4: Challenges and Mitigation**

**4.1 Potential Challenges**

Migrating to the cloud presents several challenges that N&C Tech must address to ensure a smooth transition. **Security concerns** are a significant risk, even though the migration involves non-critical data. Data breaches or cyberattacks could still harm the company’s reputation or lead to financial loss. The cloud environment also limits visibility, making it harder for N&C Tech's IT team to monitor security in real time and potentially leaving vulnerabilities undetected. Another challenge is **data privacy and compliance**. N&C Tech must adhere to regulations like GDPR or HIPAA, depending on their industry and location. Failure to comply with these standards could result in legal penalties. Additionally, certain jurisdictions have strict data residency laws, meaning that data must be stored in specific regions. If N&C Tech selects a cloud provider with data centers that don't comply with these regulations, the company could face serious legal consequences.

**Cost overruns** can also be a concern during the migration. While cloud services are often seen as cost-effective, the pay-as-you-go pricing model can lead to unforeseen expenses if resource usage is underestimated. Without proper cost management and monitoring, expenses for additional storage, bandwidth, or data transfer may exceed the budget, impacting the company's finances. **Integration with existing systems** can be another hurdle. Migrating cloud-based applications like Salesforce or Workday to work with legacy systems can be complicated and time-consuming. The data migration process itself can also be difficult, as it involves transforming data formats and ensuring the data's integrity. Any issues in this process can lead to delays, inconsistencies, or even data loss. Moreover, N&C Tech needs to consider specific data residency laws in regions where it operates, such as GDPR in the European Union and CCPA in California. Failure to adhere to these local regulations could result in hefty fines and loss of reputation. N&C Tech must ensure its chosen cloud provider offers data centers in these regions and can comply with these regulations, particularly for sensitive employee and customer data.

**Downtime during migration** is another potential challenge, even though the migration involves non-critical applications. Service interruptions can still disrupt business operations and reduce productivity. Additionally, employee training on new cloud-based tools may take time. If not managed effectively, delays in training can slow down the transition and cause resistance to adopting the new systems. Finally, **vendor lock-in** is a concern, as relying on a single cloud provider for services can make it difficult or expensive to switch providers in the future. SaaS platforms like Salesforce or Workday may have limited customization options, which could restrict flexibility if N&C Tech’s business needs change. This could lead to additional costs or resources needed to adapt to the provider’s limitations. Addressing these challenges proactively will be key to ensuring a successful cloud migration.

### 4.2 **Mitigation Plan**

To successfully migrate to the cloud, N&C Tech needs a strong mitigation plan to address key challenges. **Security** is a top priority. The company should use encryption for data in transit (SSL/TLS) and at rest (AES-256) and implement multi-factor authentication (MFA) to secure access. Regular security audits and tools like AWS CloudTrail or Azure Security Center can help monitor and protect data. Regarding **data privacy and compliance**, N&C Tech must ensure its cloud provider complies with regulations like GDPR and HIPAA and meets regional data residency laws. Regular backups and a disaster recovery plan should be in place to avoid data loss during migration.

For **cost management**, N&C Tech should estimate migration expenses using cloud calculators and set a clear budget. Using monitoring tools like AWS Cost Explorer or Azure Cost Management will help track usage and prevent unexpected costs. To address **data migration and integration**, a detailed migration plan should be developed, with backup strategies and test environments. Cloud-based migration tools like AWS Migration Hub or Azure Migrate should be used, along with APIs for seamless integration with existing systems. Data integrity checks before and after the migration will ensure accuracy and minimize issues. To manage ongoing costs effectively, N&C Tech should utilize tools like **AWS Cost Explorer** or **Azure Cost Management**, which offer detailed insights into cloud usage and spending. These tools help identify unnecessary resource allocation and highlight areas for cost optimization. Additionally, setting up **budget alerts** to notify the IT team when costs exceed predefined thresholds can prevent unplanned expenses. N&C Tech can also explore options like **reserved instances** for long-term savings on compute resources.

To minimize **downtime**, N&C Tech should consider a phased migration, moving one department at a time. This will reduce disruptions and make the process more manageable. **User training** is also crucial; N&C Tech should provide thorough training sessions to ensure employees quickly adapt to the new cloud-based tools. Finally, to avoid **vendor lock-in**, N&C Tech should adopt a multi-cloud or hybrid cloud approach. This will allow the company to use services from different providers, ensuring flexibility and reducing dependence on a single vendor. By addressing these challenges with a comprehensive plan, N&C Tech can ensure a smooth, secure, and cost-effective cloud migration.

In summary, while migrating to the cloud offers benefits like scalability, cost savings, and flexibility, N&C Tech needs to carefully address challenges to ensure a smooth transition. By following a well-planned approach that focuses on security, compliance, cost management, and minimizing downtime, the company can protect its data and keep operations running smoothly. Using a hybrid cloud model and managing relationships with cloud providers will help avoid being tied to a single vendor and keep future options open. With these strategies, N&C Tech can safely move its non-critical applications and data to the cloud, making the most of cloud technology while reducing risks.

**Conclusion**

This report outlines N&C Tech’s plan for moving its non-critical applications and data to the cloud, with a focus on using Software as a Service (SaaS). We’ve carefully looked at the company’s current infrastructure to make sure the transition to the cloud goes smoothly. SaaS was chosen because it’s flexible, scalable, and cost-effective, giving N&C Tech access to important business applications online without the need for heavy on-site infrastructure. During the migration process, we identified some key challenges like data security, compliance with regulations, and managing costs. To tackle these, we’ve put in place strong security measures such as data encryption, multi-factor authentication, and compliance with rules like GDPR. We also recommended a multi-cloud strategy to avoid depending on just one cloud provider, which will help with reliability and disaster recovery. The migration will happen in stages to minimize any disruptions to the business. By using automation and cloud optimization, we’ll streamline processes, cut IT costs, and improve scalability, so N&C Tech can meet both its short-term needs and long-term goals. Choosing SaaS means lower upfront costs and better resource management, which will make the company more agile and able to respond to changes in the market. In the end, this cloud migration plan will help N&C Tech improve its business operations, reduce IT overhead, and support long-term growth and innovation. By addressing potential challenges and choosing the right cloud services, N&C Tech is set for continued success, competitiveness, and a smooth, cost-effective digital transformation.

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