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THE CASE FOR DESKTOP-AS-A-SERVICE

Traditional IT relies on your computers and servers being on premises. From a user's computer to servers - everything functions on the traditional local area network. To have a well performing, reliable and secure network you need everything reliable, fast, redundant and with strong security systems in place. The cost to implement these for most small and medium size companies can be cost prohibitive, leaving many companies with having to cut corners and sacrifice in many areas — networking hardware, computers, servers, disaster recovery, security, compliance and at times the support staff themselves.
Desktop-as-a-Service (DaaS) can be delivered in a hybrid or complete cloud model. Properly designed and deployed businesses are able to insure they have a technology solution that can truly enable a business to be more efficient, secure and productive.

IN THIS DOCUMENT WE ARE GOING TO COMPARE THE PROS & CONS OF AN ON PREMISES vs CLOUD SOLUTION.

KEYTOPICS

THE COMPLETE DaaS SOLUTION

TRADITIONAL COMPUTERS vs. DESKTOP-AS-A-SERVICE

TRADITIONAL SERVERS vs. INFRASTRUCTURE-AS-A-SERVICE

NETWORKS

DISASTER RECOVERY BENEFITS

BUSINESS CONTINUITY BENEFITS

IT DEPARTMENTS & SUPPORT

SOFTWARE

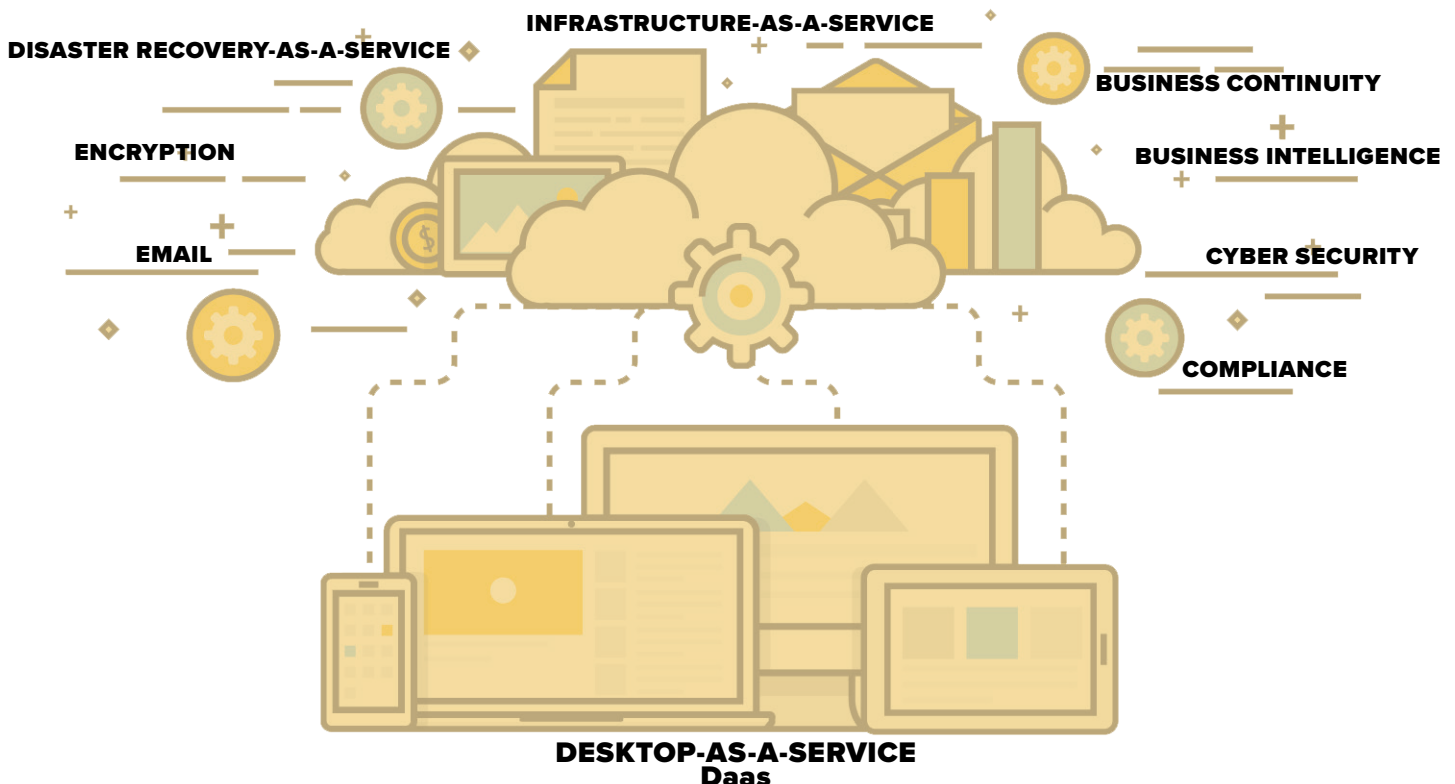**COMPLIANCE**

HYBRID ENVIRONMENTS

THE COMPLETE DaaS SOLUTION

A properly implemented DaaS solution can provide every business with an enterprise class cloud solution, which is traditionally reserved for large enterprises with large IT budgets and IT departments.

When you move to DaaS in the cloud you eliminate the need to have the fastest networking gear, the best firewalls, and the latest and greatest computers and servers. In addition, you no longer have to worry about advance cybersecurity systems, well designed and implemented backup, and a disaster recovery and business continuity solution because everything is built into the cloud solution.

"Renting" a complete solution from an industry leading cloud-computing company insures that your dedicated or hybrid-cloud solution will always:

- be backed-up and redundant
- be secure
- have a real disaster recovery and business continuity plan built in
- be compliant and audited to meet privacy and compliance laws and regulations
- have enterprise level cyber-security protection
- be available, reliable, and accessible wherever you are in the world to run your business
- be fast and scalable
- be current with the latest and greatest technologies
- be assured you have 24/7 – 365 support

DISASTER RECOVERY-AS-A-SERVICE

INFRASTRUCTURE-AS-A-SERVICE

BUSINESS CONTINUITY

ENCRYPTION

BUSINESS INTELLIGENCE

EMAIL

CYBER SECURITY

COMPLIANCE

DESKTOP-AS-A-SERVICE
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TRADITIONAL COMPUTERS vs. DESKTOP-AS-A-SERVICE (DaaS)

ON PREMISES COMPUTERS

The performance of a user's computer and workstation is generally based on the role of the user within an organization. For administrative use, you will see standard, end-user computers. These users are generally using applications such as Microsoft Word, Excel and Outlook. Then you may have an engineering department that needs the fast and powerful computers or workstations.

PRO'S

• Perceived control of your environment

• Don't have to worry about your Internet connection being reliable

CON'S

• Data de-centralized. Data resides on PC's and servers leaving data compromised.

• Securing your data is much more complex - USB drives give employees the ability to steal your data or infect your computers and network

• Applying user policies for security is difficult and cumbersome to maintain

• Upgrades can be difficult and time-consuming

• Ensuring that security patches rarely happens

• Compliance is an after-thought and IT staff are not trained in this area

• Lack of redundancy. When the computer fails you have to physically replace it

IN THE CLOUD DaaS

With DaaS, you are able to provide the exact resources needed for the particular user based on the applications they are using. You may have standard DaaS desktops with limited resources for users that only need basic word processing and email. However, you can also have advanced desktops that meet the demands of resource intensive applications such as graphics applications and AutoCAD.

PRO'S

• Integrated solution with all systems designed to work together

• Upgrades are included

• Disaster Recovery is native to the solution and tested often

• Business Continuity is built-in allowing for the ability to work at all times

• Performance meets or exceeds what local computers can provide

• 24/7/365 Support

• Engineers and technical support is certified and trained in technologies and compliance

• Compliance regulations and policies are built into the solution

• All systems are certified by 3rd party auditors

• 3rd Party applications are supported without additional costs

• Ability to scale up and down as needed

CON'S

• Trust in cloud companies

• Internet connections need to be fast, reliable and redundant if possible

TRADITIONAL SERVERS vs. INFRASTRUCTURE-AS-A-SERVICE (IaaS)

ON PREMISES SERVERS

Traditionally, companies have servers on premises. It is not uncommon to see servers that have been in production for well beyond 5 years and are functioning in numerous roles, which isn't best practice. You may see that an email server is also being used as an application server or database server. This generally happens due to cost and limited skills within an IT department.

IN THE CLOUD IaaS

With virtual servers or IaaS you have the ability to easily upgrade the servers. In addition, you can add and remove them as needed to meet best practices and insure that performance is optimized.

PRO'S

• Perceived control of your environment

• Client also feels safe because their data is on-site

CON'S

• Data can become disparate and de-centralized.

• Staff turn-over leaves your system exposed due to limited knowledge transfer

• Applying user and security policies is difficult to maintain

• Upgrades are difficult

• Ensuring that security patches are applied is difficult and rarely occurs

• Compliance is an after-thought and IT staff are not trained in this area

• Redundancy and business continuity can be cost-prohibitive

• Reliability

• Lack of well-trained and certified staff

PRO'S

• Integrated solution with all systems designed to work together

• Upgrades are included

• Disaster Recovery is native to the solution and tested often

• Business Continuity is built-in allowing for the ability to work at all times

• Performance meets or exceeds what local computers can provide

• 24/7/365 Support

• Engineers and technical support is certified and trained in technologies and compliance

• Compliance regulations and policies are built into the solution

• All systems are certified by 3rd party auditors

• 3rd Party Application are supported

• Extensive experience in 3rd party applications

CON'S

• Trust in cloud companies

• Internet connections need to be fast, reliable and redundant if possible

Your company in the cloud. **Effortlessly.**

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FOR MORE INFORMATION CALL +1 (855) 363-6863

NETWORK

ON PREMISES NETWORK

Rarely do you see a company with a network that is properly set up or meets the needs of the applications and systems being used. With basic applications such as Microsoft Word, which run on the local computer there is a limited need for very fast networks; however, with client server applications you will see the need for very fast networks due to the continual transfer of data between the client-side application running on the computer and the server-side application running on the server. This is where you generally see the biggest performance degradation. Companies with limited budgets aren't able to continually upgrade their networks as the demands of the applications increase during each upgrade. Properly setting up the network gear to insure security measures are in place and performance is optimized can require advanced IT skill sets.

IN THE CLOUD

In cloud environment you will see significant performance increases, especially in client-server applications. There are two main reasons for this. The first reason is a result of cloud infrastructure being built on leading, enterprise class infrastructure. The second reason is because the virtual desktops are running on the same hardware as the servers themselves in the cloud. They are essentially "right next" to each other. In addition, the Internet speeds for each desktop can be upwards of 500Mb plus. This is the result of having 1GB+ Internet connections directly into the DaaS infrastructure.
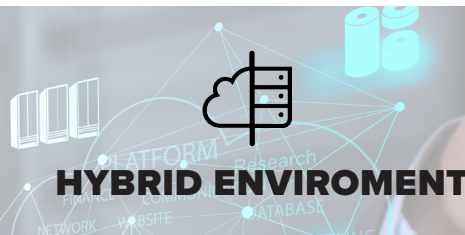
HYBRID ENVIROMENT

ON PREMISES HYBRID ENVIROMENT

On-site computing environments run in a dedicated model, whereby the equipment is on-site and dedicated to the company using it. While there is an effort to move companies to companies such as Azure and Amazon, the support, performance and management of this process can be difficult and hard to manage.

IN THE CLOUD

Solutions built around virtual desktops and DaaS inherently support a true hybrid model. You have the ability to move all of your systems to the cloud, including desktops or you can slowly move systems over time.

BUSINESS CONTINUITY

ON PREMISES BUSINESS CONTINUITY

Business continuity is not the same as disaster recovery. Business continuity solutions provide the ability for businesses to keep functioning in real-time in the event of a disaster. While having your data backed up in the event of a disaster is extremely important, without the ability to stay functioning in real-time a business will not only lose productivity, but could close down in highly competitive markets. An example of this would be when a business suffers a catastrophe such as burning down or having primary utilities go off-line such as power or water to the building. There would be no location to restore the data to.

IN THE CLOUD

With a cloud solution that utilizes DaaS, you have native business continuity built in. Your users are able to work from any location at any time. In the event of a disaster at the businesses location the users can move to a temporary location with Internet access or work from home without down time. This prevents a loss of productivity for the employees.

IT DEPARTMENT & SUPPORT

ON PREMISES IT DEPARTMENT & SUPPORT

Most IT departments are limited in not only staffing, but the necessary skills to insure that everything is running properly and best practices are being met. Even when a company has sufficient staffing, rarely are they able to keep up with the ever-increasing demands around staying properly trained and educated. As technology advances, the complexity also increases. When new projects arise, many times there is a need to outsource the project, which can be expensive. This can leave the company vulnerable to continually needing these resources when problems arise or new upgrades are required.

IN THE CLOUD

With a full-service cloud company 100% of the support is included. This not only includes basic Tier 1 daily end-user support, but it includes Tier 2, 3 and 4. By providing this you can insure that your whole infrastructure is being managed, monitored and maintained. This insures that the cloud solution is optimized and performing well at all times.

SOFTWARE

ON PREMISES SOFTWARE

Organizations that have premises based systems have to purchase their software and also maintain it. This occurs through standard retail style purchases or volume licensing agreements such as those from Microsoft. The IT departments have to do all of the upgrades themselves and plan accordingly. Performing upgrades is not as easy as just clicking "next" during an upgrade process. Best practices dictate that they do test upgrades with all 3rd party vendors and software to insure that there will be no problems with compatibility once the upgrade is complete.

IN THE CLOUD

When you are working with an experienced cloud company you don't have to worry about the upgrades of software such as Microsoft. The licensing can be included and would include all upgrades as part of your standard pricing. For 3rd party vendors we would coordinate and test all upgrades in a lab environment to insure the live upgrade is successful. With over 15 years' experience Effortless has worked with over 2000 applications in verticals that include medical, casino, manufacturing, finance and more.

COMPLIANCE

ON PREMISE COMPLIANCE

Compliance is very difficult to manage and insure you are meeting the governing body guidelines. Traditional IT departments do not have the experience to handle this. Companies tend to rely on 3rd party compliance offers or consultants to do audits and then provide recommended remediation measures. Since most premises based systems have been an amalgamation of hardware and software over time, becoming compliant poses logistical and cost constraints.

IN THE CLOUD

Maintaining and understanding compliance is a mainstay for many cloud companies. The infrastructure is audited routinely with official documents provided showing compliance is being met. In addition, you can be assured that the individuals that are supporting your systems or have access to your data meet the requirements necessary to protect your data and meet these compliance guidelines.