

# ONLINE OR ON PREMISE?

A series of mini webinars  
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# OVERVIEW

# On-Line or On-Premise Introduction

- What is On-Premise?
- What is On-Line or “In the Cloud”?
- What is “Private Cloud”?
- What is “Hybrid”?
- What are the implications of each of these?



# What does “On-Premise” mean?

On Premise means you will purchase software and install it on your own computers at your premises.



# What does “In the Cloud” mean?

- You subscribe to a service that is available typically through your browser
- The service is hosted on servers and with maintenance and security that are inclusive
- You don't own the software; you rent it and re-subscribe as often as you choose.
- You typically pay only for what you use



# What is a “Private Cloud”?

- You purchase software and host it on a remote server
- The server is available only to you; hence: private
- The server looks and feels like it is inside your own network but it's hardware maintenance and security is serviced by the hosting service

# What is a “Hybrid” environment?

- ❑ A hybrid can include any mix of on-premises, on-line and, hybrid environments where the application, data, logical layer or integrations are hosted in different types of environment but all tied together programmatically



# What do each of these mean to me?

## On Premise

- Purchase price
- Low annual or per upgrade costs
- You are responsible for upgrades and maintenance

## OnLine

- Lower initial price, but higher annual license price
- Vendor responsible for upgrades, maintenance

## Hybrid

- Purchase licenses, pay for hosting or for some components

# TimeControl Online vs. On Premise

- ❑ Our own product, TimeControl is available both as an online subscription “In the Cloud” and for purchase for an on-premise installation.
- ❑ This allows the client to chose or even migrate from one environment to the other as they require.
- ❑ Find out more at: [www.TimeControl.com](http://www.TimeControl.com)

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# LICENSING

# On Premise Licensing

- ❑ Purchase licenses “in perpetuity” – you own the license to use the software from now on
- ❑ Technical hotline support is typically separate
- ❑ Upgrades are typically separate or included with technical support contracts

# In the Cloud Subscription

- You are subscribing to a service
- The subscription has a term and an expiration date
- When the subscription expires, you no longer have rights to access the system or your data
- Payment is usually by month, quarter or year
- You can typically adjust your licenses downward at the end of term

# Hybrid Subscriptions

- ❑ Some software is offered to be installed on your computer, server or device but is priced and controlled on a subscription
- ❑ The software functions like purchased software and may even be able to run while not connected to the Internet but it must regularly be connected to update its license
- ❑ The subscription has a term and expiration

# TimeControl Online vs. On Premise

- ❑ Our own product, TimeControl is available both as an online subscription “In the Cloud” and for purchase for an on-premise installation.
- ❑ This allows the client to chose or even migrate from one environment to the other as they require.
- ❑ There is no hybrid-licensing
- ❑ Find out more at: [www.TimeControl.com](http://www.TimeControl.com)



# **UPGRADES AND MAINTENANCE**



# On Premise Upgrades

- When you purchase software to install on premise, upgrades and maintenance updates are typically limited to a version or a period of time
- You may need to purchase upgrades or subscribe to a maintenance agreement to get upgrades
- You are typically responsible for installing your upgrades and any part of your environment that is required by them.

# In the Cloud Subscription updates

- In an in the cloud subscription situation, the vendor is typically responsible for updating the service, upgrades to the features and any maintenance of the services's operating system, malware protection, networking and databases
- You are unlikely to have the right to not be upgraded

# Hybrid upgrades and updates

- ❑ Hybrid software has some aspects of the service installed on your device and some aspects installed on a subscription based server
- ❑ The vendor will be responsible for updating the server and you will often be required to update the software on your device.
- ❑ Typically you will not be able to avoid doing the upgrade on your own system

# TimeControl Online vs. On Premise

- ❑ Our own TimeControl Online subscription service is updated automatically by HMS personnel on our in-the-cloud servers. Updates include the software itself, the operating system, malware protection, networking updates, the database servers and software and anything else that is required to deliver the service to our users.
- ❑ TimeControl OnPremise includes any updates to the software for the first year. After that clients can subscribe to our Software Maintenance contracts annually which include access to our helpdesk and all updates or upgrades
- ❑ On Premise clients are responsible for installing updates and upgrades.
- ❑ Find out more at: [www.TimeControl.com](http://www.TimeControl.com)

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# FUNCTIONALITY

# On Premise Functionality

- ❑ Has been the standard of where we look to define what the software does.
- ❑ We think of the installed functionality as a fixed set of features
- ❑ These features may be dependent on the capabilities of your device or your device's operating system

# In the Cloud Features

- ❑ The features of an in-the-cloud version are likely to have variances with the on-premise version simply because of the public structure of being served on the Internet
- ❑ Variances are often found in the areas of authentication, integration, reporting and maintenance

# Private Cloud Features

- ❑ Some organizations will want the best of both worlds. This can sometimes be accomplished with a private-cloud deployment.
- ❑ The software is served through a hosting company but what is installed is an on-premise installation.
- ❑ This can be true for both server software and desktop-based software



# Hybrid Features

- ❑ When installing hybrid software on your own device, it is possible that the features available in the hybrid are not an exact match of those in an on premise version
- ❑ There are often variances in authentication and, in particular, there is sometimes a requirement that the device must be able to connect to the Internet in order to log in.

# TimeControl Online vs. On Premise

- ❑ TimeControl Online has the exact code of TimeControl On Premise but there are several differences:
- ❑ Since users do not get direct access to the online server, server-based functions such as scheduled imports and exports are disabled. Clients can still do the imports but only on demand to move files to and from their PC.

Find out more at: [www.TimeControl.com](http://www.TimeControl.com)

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# INTEGRATIONS

# On Premise Integrations

- ❑ With Enterprise systems, integration is often a significant element of the deployment.
- ❑ On Premise integrations can often be done by using direct data connections, Application Programming Interfaces (APIs) or with separate code that talks to both applications
- ❑ Authentication and performance are rarely an issue with an on premise integration

# In the Cloud Integrations

- ❑ The ability to integrate with in-the-cloud subscription services is wholly dependent on the functionality offered by the service.
- ❑ It is common to have fewer options for integration with an online service.
- ❑ Integrations can occur through APIs or transaction files
- ❑ Authentication, performance and the lack of direct database access are often issues for In the Cloud integrations.

# TimeControl Online vs. On Premise

- ❑ Both TimeControl Online in the cloud and TimeControl for on premise implementations include numerous options for integration.
- ❑ Integrations with TimeControl for On Premise deployment allow direct access to the TimeControl database
- ❑ Both TimeControl Online and TimeControl OnPremise include predefined links to popular project management tools

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# SECURITY

# On Premise Security

- ❑ When you deploy on premises, you can establish your own security of your application
- ❑ This can include isolating the application and their data so they are not even connectable from the Internet or ensuring they are not in the so-called DMZ which is open to the Internet
- ❑ However, the client is responsible for firewall, application, server, threat detection, intrusion monitoring, database security as well as malware maintenance



# In-the-Cloud Security

- ❑ Most subscription services include extensive security, often graded against industry standards
- ❑ The vendor is responsible for threat detection and avoidance and intrusion monitoring
- ❑ The vendor will typically employ multi-faceted security and defense and disaster recovery options
- ❑ But – the in-the-cloud service is, by definition, Internet accessible, making it potentially a target

# TimeControl Online vs. On Premise

- ❑ TimeControl and TimeControl Online both use security standards established by OWASP ([www.owasp.org](http://www.owasp.org))
- ❑ Since attacking techniques evolve, both products are audited on a regular basis to test for threat vulnerabilities
- ❑ TimeControl Online is hosted on Amazon where the servers have passed SAS70 audits, ISO 27001 certification and numerous other security protocols

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# HOW TO COMPARE

# On premise

- Licensing
- System upgrades and maintenance
- Functionality
- Integrations
- Security

# In the Cloud Subscription Service

- Licensing
  - Subscription term
- System upgrades and maintenance
  - Handled by the vendor
- Functionality
  - Is there anything missing you might need?
- Integrations
  - Will you be able to integrate in the way that you require?
- Security
  - Is it safer for you to isolate this application or to have the vendor apply more defense that you might?

# Total Cost of Ownership

## On Premise

- Is hardware required?
  - Operating System
  - Malware protection
  - Database server
  - Database software
  - Server upgrades
- One-time purchase of licenses
- Purchase of upgrades or support
- Services
  - Server maintenance
  - Personnel for upgrades

## In-the-Cloud Subscription

- Software subscription cost
- Internal support personnel

# For more information

HMS/TimeControl Website: [www.TimeControl.com](http://www.TimeControl.com)

Blog: [www.EPMGuidance.com](http://www.EPMGuidance.com)