

Continuous Integration with Team Foundation Services and Windows Azure Websites

TFS & WAWS

Continuous Integration In The Cloud



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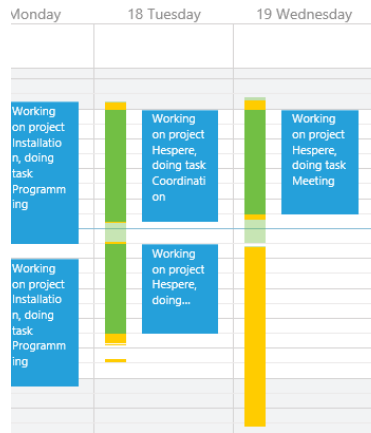
time cockpit
Saves the day.

Introduction



Team

- September 23



Product

Microsoft Outlook
Microsoft Word
Internet Explorer
Adventure App UI
Microsoft Visual Studio 2010

Window Titles

ADVENTUREWORKS ID Projektvorgehensvorschlag.docx - Microsoft Word
Time Sheet
CoFX Extensions for adv. 1 h 34 min
Inbox - tim@acme-corp.com - Microsoft Outlook
RE CoFX Extensions - Message (HTML)

Keywords

Data Adventure App docx Documents ID
Projektvorgehensvorschlag ADVENTUREWORKS
Main UI WPF Projects Development Source xaml View Shell
Word Message HTML FX Extensions Modules RE Time Sheet
Configuration Settings adventure Co Works Solutions Doc Options
Ghost Visual Studio Signal acme corp SL Account Current vsettings Sub

VS and TFS
Integration



Get Time Cockpit

All ALM Days 2012 attendees get t

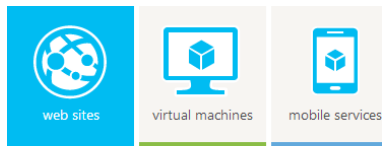
1. Fill in the form below to create instructions.
2. Install time cockpit and start it.
3. Start tracking your time and inc

Offer

ALMDays Offer

- ▶ <http://www.timecockpit.com/alm2012>
- ▶ Coupon Code *alm2012*
- ▶ Get fully-functional time cockpit subscription for free
 - One year
 - Up to five user

Agenda



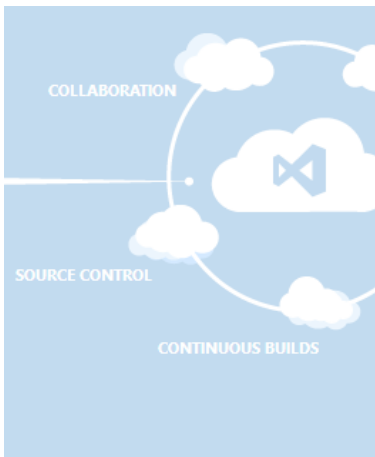
WEB SITES

Build highly scalable web sites on Windows Az

Quickly and easily deploy sites to a highly scal environment that allows you to start small and grows.

Use the languages and open source apps of y deploy with FTP, Git and TFS. Easily integrate V services like SQL Database, Caching, CDN and

Azure Web
Sites



Team
Foundation
Services



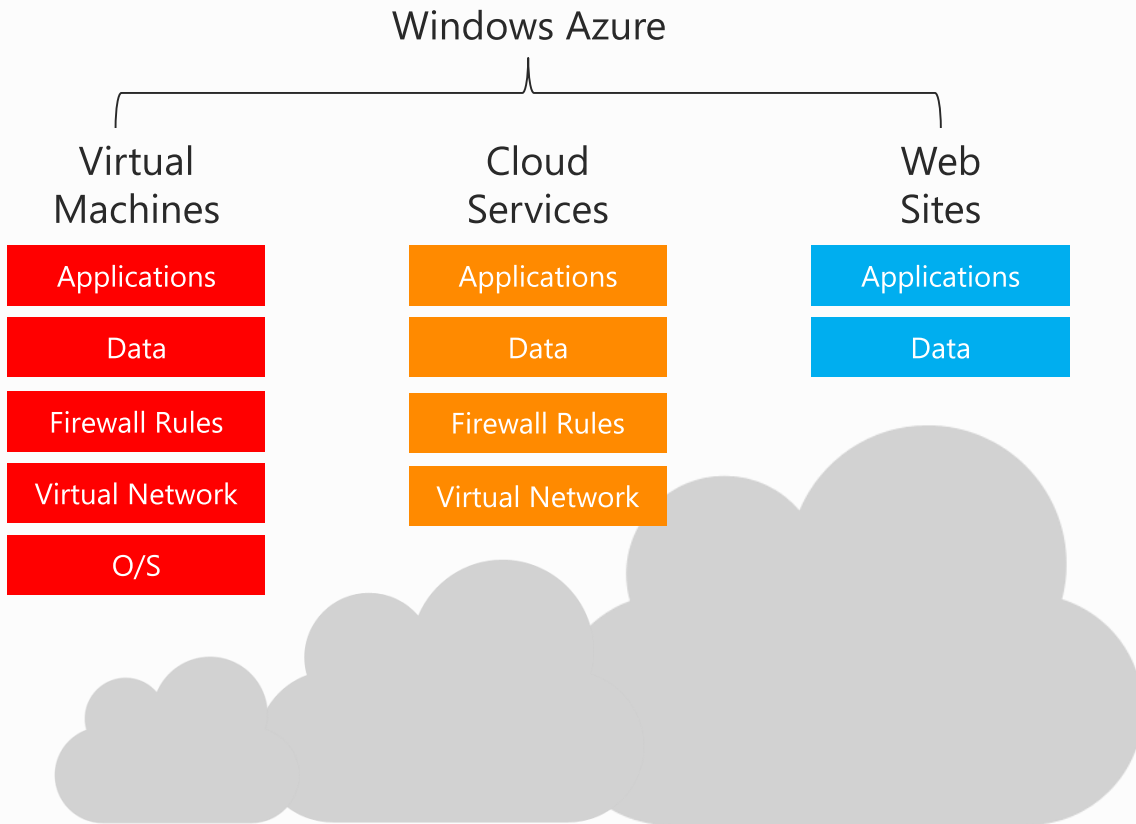
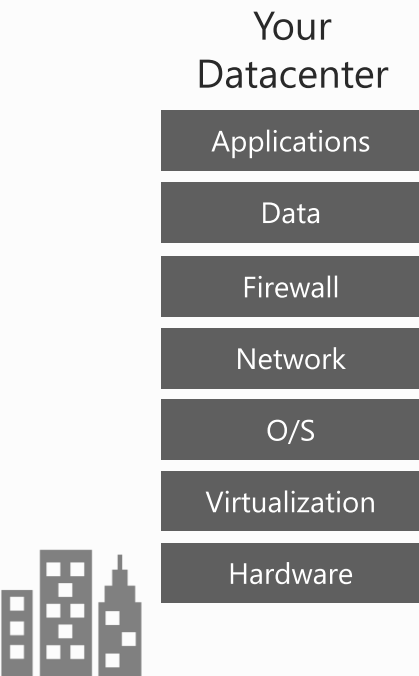
Continuous
Integration



Resources

Web Sites in Perspective...





Focus on the Application



Windows Azure Web Sites

powerful web sites in seconds

start simple

start free, scale up and out as you go, friction-free and without the headaches

code smart

with classic asp, asp.net, php or node.js, develop on Windows, OSX or Linux

go live

deploy live in seconds, easily monitor performance, rapidly diagnose and fix issues

Hello World



Demo

scale

Free

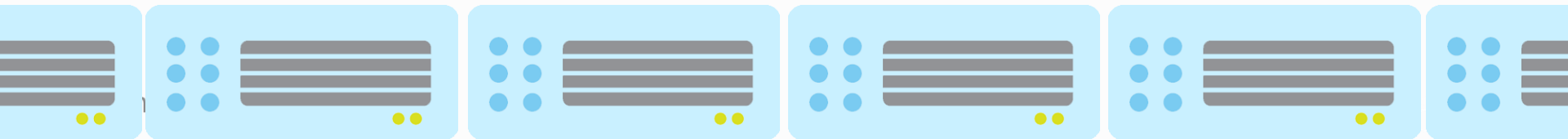
Multi-tenant. Daily quotas

Shared

Multi-tenant. No quotas

Reserved

Dedicated VMs. No quotas



web sites

shared

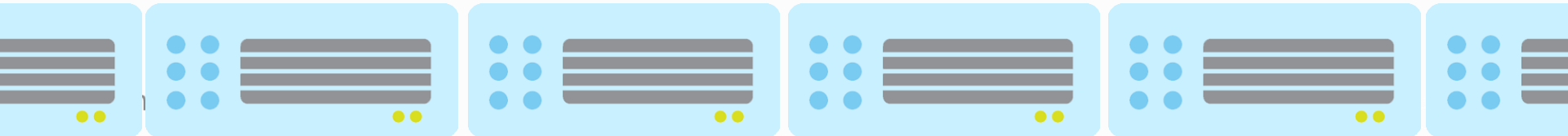
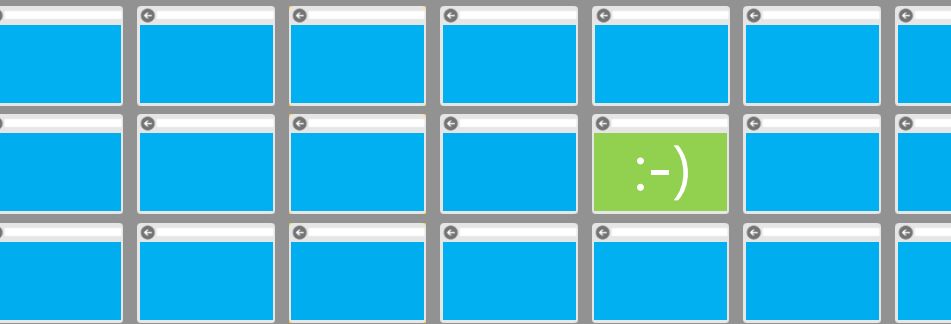
reserved

shared



1

SHARED INSTANCES



web sites

shared

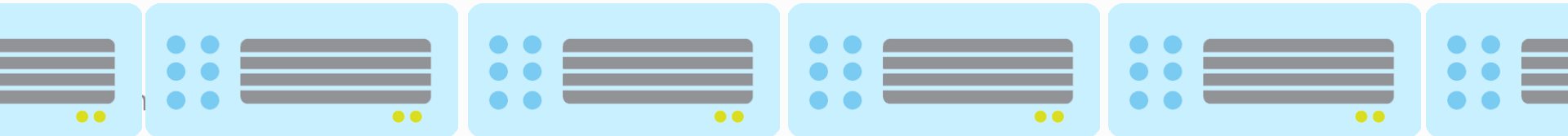
reserved

shared



2

SHARED INSTANCES



web sites

shared

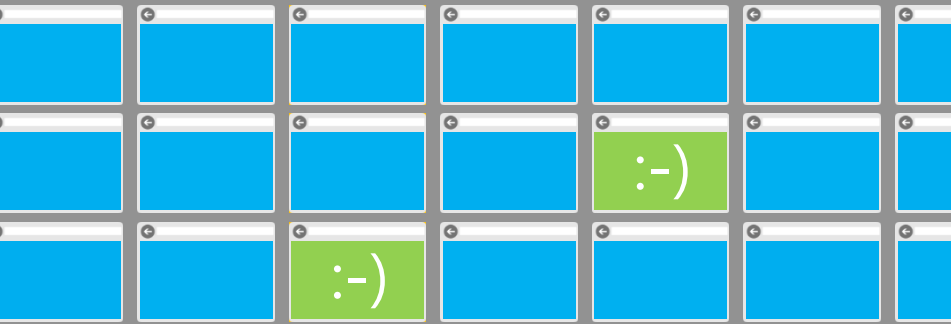
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reserved

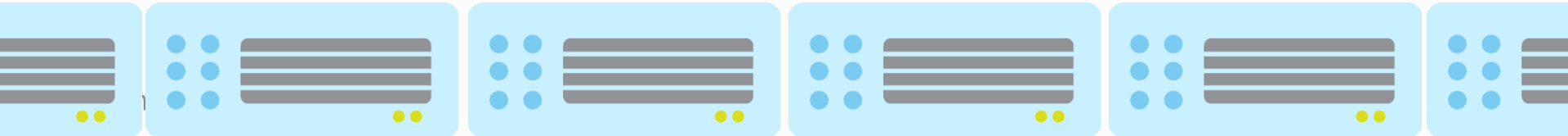
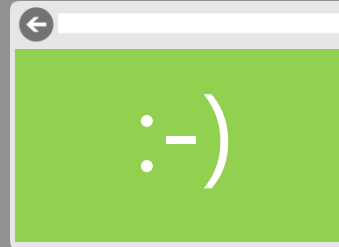


①

SHARED INSTANCES



RESERVED INSTANCE



web sites

shared

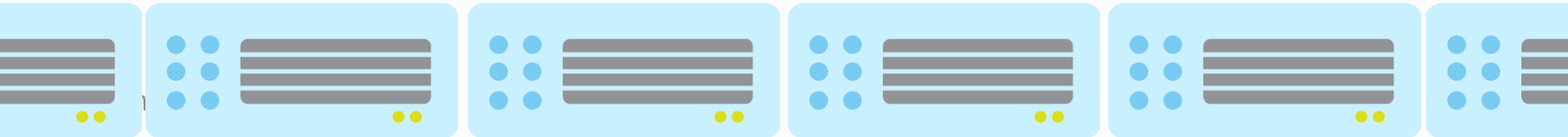
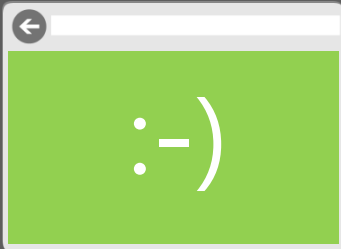
reserved

reserved



2

RESERVED INSTANCE



web sites

shared

reserved

reserved

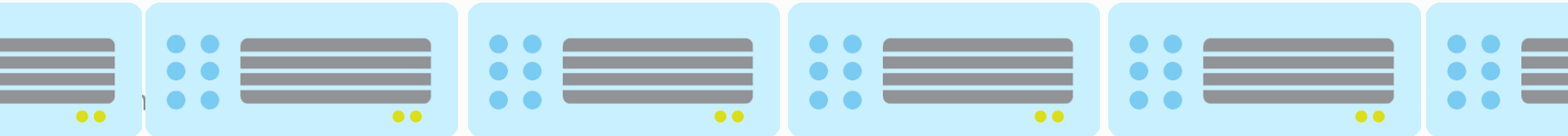


2

RESERVED INSTANCE



RESERVED INSTANCE



Deployment



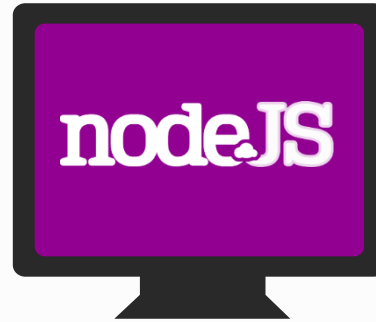
Demo

WordPress



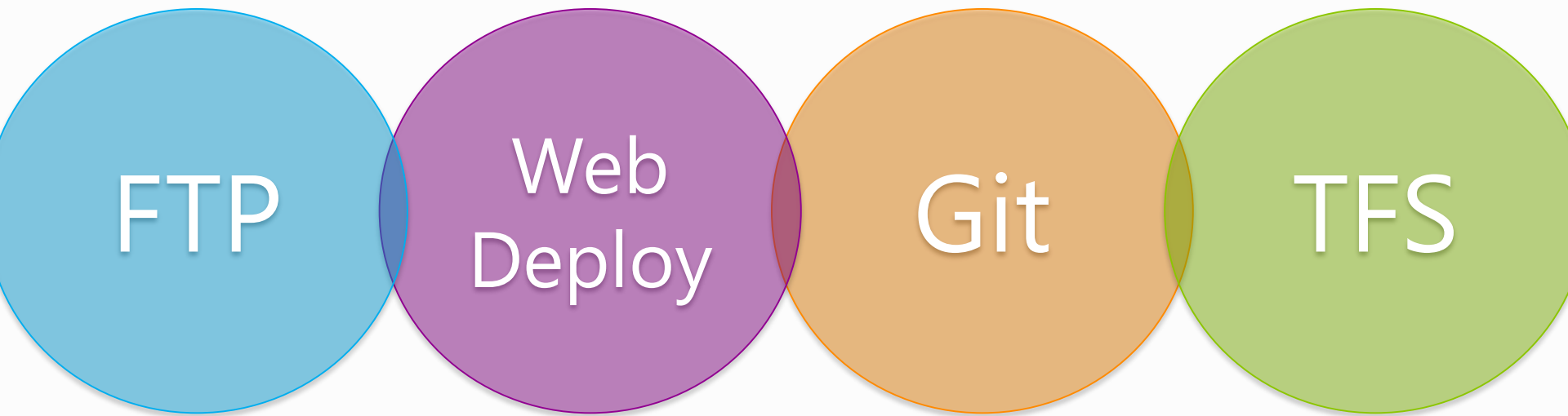
Demo

Supported Web Frameworks

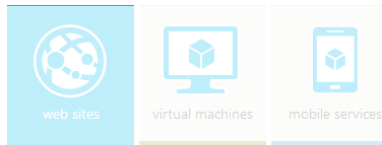


Or any custom FastCGI Handler

Supported Publishing Methods



Agenda

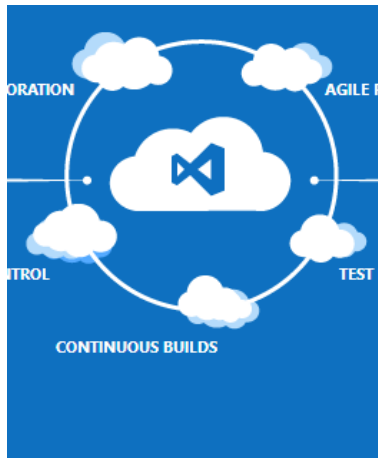


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Azure Web
Sites



Team
Foundation
Services



Continuous
Integration



Resources

Team Foundation Services

- ▶ TFS in the cloud

Multi-tenant infrastructure with TFS running on the Azure technology platform

- ▶ Broad functional reach with few limitations

Agile planning tools

Version control

Work item tracking

Build

- ▶ Free for small team

Use TFS Online as part of your MSDN subscription

Free for small teams with ≤ 5 members

Unlimited number of projects

Team Foundation Services

- ▶ Build process is still in preview

Currently no cap on build processes

Limitations will apply (e.g. for free subscriptions) at RTM

- ▶ Currently not further pricing information available

- ▶ Limitations

No way to customize the process template

No integration with e.g. SharePoint, Project Server, etc.

LiveID is the only authentication mechanism

Reporting is very limited

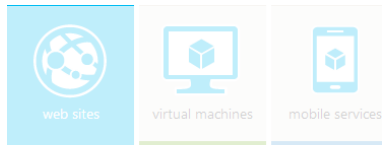
- ▶ <http://tfs.visualstudio.com>

Create Project on TFS



Demo

Agenda



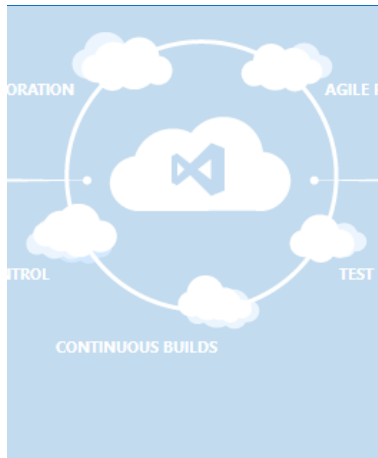
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Sites



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Source: <http://www.flickr.com/photos/hggzy/73363502084/>
Common Creative License

Continuous
Integration



Source: <http://www.flickr.com/photos/seeinglee/4556156477/>
Common Creative License

Resources

Continuous Integration

- ▶ Connect Web Site project in TFS with a WAWS

Also works for a Cloud Service project connected to a WACS

- ▶ Trigger a build on every check-in

You can customize the build process

You cannot install any software on the build servers

- ▶ Deploy the Web Site project to WAWS after successful build

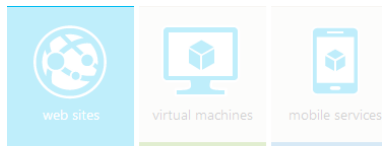
- ▶ (If necessary) Roll back to previous version

Continuous Integration



Demo

Agenda



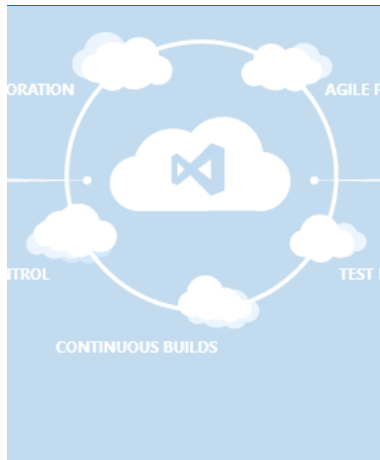
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Resources

Resources

- ▶ TFS Online

<http://tfs.visualstudio.com>

FAQ: <https://tfs.visualstudio.com/en-us/support/faq>

<https://tfs.visualstudio.com/en-us/learn/build/hosted-build-controller-in-vs/>

<http://blogs.msdn.com/b/buckh/archive/2011/09/19/how-to-delete-a-team-project-from-tfs-on-azure.aspx>

- ▶ Blog post of Brian Harry regarding RTW of TFS

<http://blogs.msdn.com/b/bharry/archive/2012/10/31/team-foundation-service-rtm.aspx>

- ▶ Hands-on lab for continuous integration with TFS and WAWS/WACS

<http://www.windowsazure.com/en-us/develop/net/common-tasks/publishing-with-tfs/>

Continuous Integration with Team Foundation Services and Windows Azure Websites

Q&A

Thank you for coming



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time cockpit
Saves the day.



time cockpit is the leading time tracking solution for knowledge workers. Graphical time tracking calendar, automatic tracking of your work using signal trackers, high level of extensibility and customizability, full support to work offline, and SaaS deployment model make it the optimal choice especially in the IT consulting business.

Try **time cockpit** for free and without any risk. You can get your trial account at <http://www.timecockpit.com>. After the trial period you can use **time cockpit** for only 0,20€ per user and month without a minimal subscription time and without a minimal number of users.



time cockpit ist die führende Projektzeiterfassung für Knowledge Worker. Grafischer Zeitbuchungskalender, automatische Tätigkeitsaufzeichnung über Signal Tracker, umfassende Erweiterbarkeit und Anpassbarkeit, volle Offlinefähigkeit und einfachste Verwendung durch SaaS machen es zur Optimalen Lösung auch speziell im IT-Umfeld.

Probieren Sie **time cockpit** kostenlos und ohne Risiko einfach aus. Einen Testzugang erhalten Sie unter <http://www.timecockpit.com>. Danach nutzen Sie **time cockpit** um nur 0,20€ pro Benutzer und Tag ohne Minstdauer und ohne Mindestbenutzeranzahl.