

# Tutorial Visual Studio Team Services

## VSTS

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# Agenda

- [Criar conta VSTS](#)
- [Portal do projeto](#)
- [Portal da equipe](#)
- [Criar o projeto](#)
- [Exemplo de planejamento do projeto](#)

**CRIAR CONTA VSTS**

# Criar conta VSTS

- <https://www.visualstudio.com/free-developer-offers/>
- Clicar na opção “Visual Studio Team Services”

Everything you need to create great apps. Free.

Visual Studio Community  
A rich IDE for creating non-enterprise apps for Android, iOS, Windows, web, and cloud.  
Download

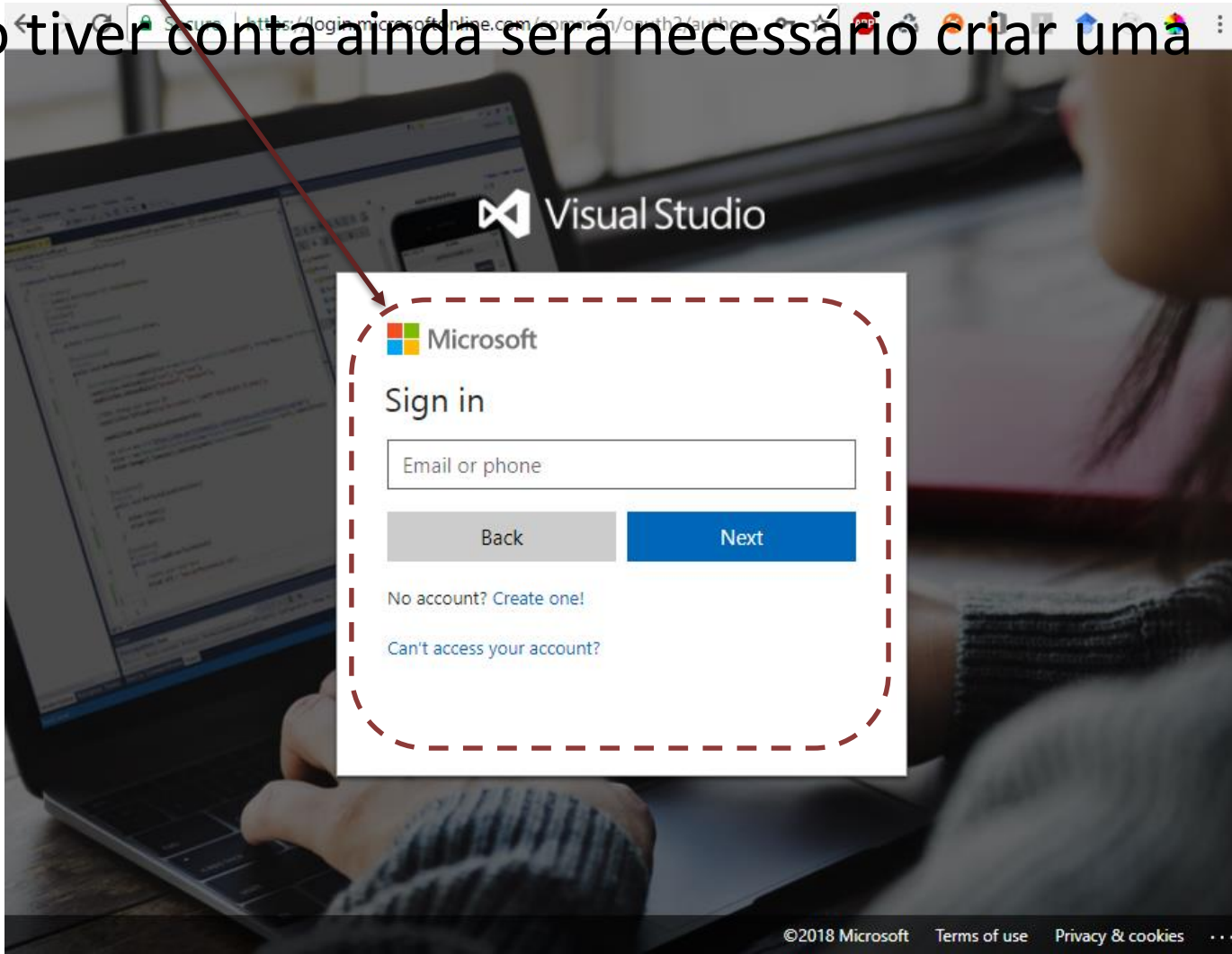
Visual Studio Team Services  
Agile tools, Git, and continuous integration for any language and any OS.  
Free Account

Visual Studio Code  
A powerful editor that's free, open source, and runs everywhere.  
Download

Visual Studio Dev Essentials – Get all of the above and more

# Criar conta VSTS


- Ingresse com uma conta Microsoft (live, Hotmail, outlook)
- Se não tiver conta ainda será necessário criar uma



# Criar conta VSTS

- Essa é a tela principal da sua conta em VisualStudio.com
- Clicar na opção “Create new account” para criar uma nova conta em Visual Studio Team Services (VSTS)



Secure | <https://app.vsaex.visualstudio.com/me?mkt=en-US&campaign=o~msf...>



**garfsoft**  
garfsoft@outlook.com

[Edit profile](#)

Microsoft account ▼

 Brazil  
 garfsoft@outlook.com

Visual Studio Dev Essentials

Get everything you need to build and deploy your app on any platform.

[Use your benefits](#)

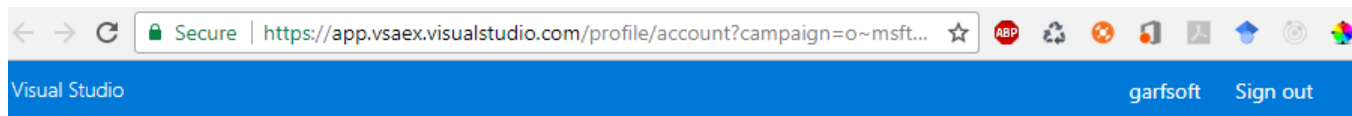
Visual Studio Team Services Accounts

[Create new account](#)

- > [eucoopero.visualstudio.com](#) (Owner)
- > [nomeequipe-pcs2044.visualstudio.com](#) (Owner)
- > [pcs2044-2016.visualstudio.com](#) (Owner)
- > [pcs2044-2017.visualstudio.com](#) (Owner)
- > [99obras-pcs2044.visualstudio.com](#) (Member)
- > [alphadog-pcs2044.visualstudio.com](#) (Member)
- > [ban-pcs2044.visualstudio.com](#) (Member)
- > [construber-pcs2044.visualstudio.com](#) (Member)
- > [dogeninjas-pcs2044.visualstudio.com](#) (Member)
- > [ehs-pcs2044.visualstudio.com](#) (Member)

# Criar conta VSTS

- Em uma conta VSTS podem ser armazenados projetos vários projetos. Pense na conta de uma equipe de desenvolvimento.
- O nome da conta deve ser “**2018-PCS3643-NOMEEQUIPE**”. O nome da equipe é livre, mas o nome da conta deve iniciar com “**2018-PCS3643-**”.



Host my projects at:

2018-PCS2044-NOMEEQUIPE .visualstudio.com

Manage code using:

Git

Team Foundation Version Control

We will host your projects in **Brazil South** region.

[Change details](#)

[Continue](#)

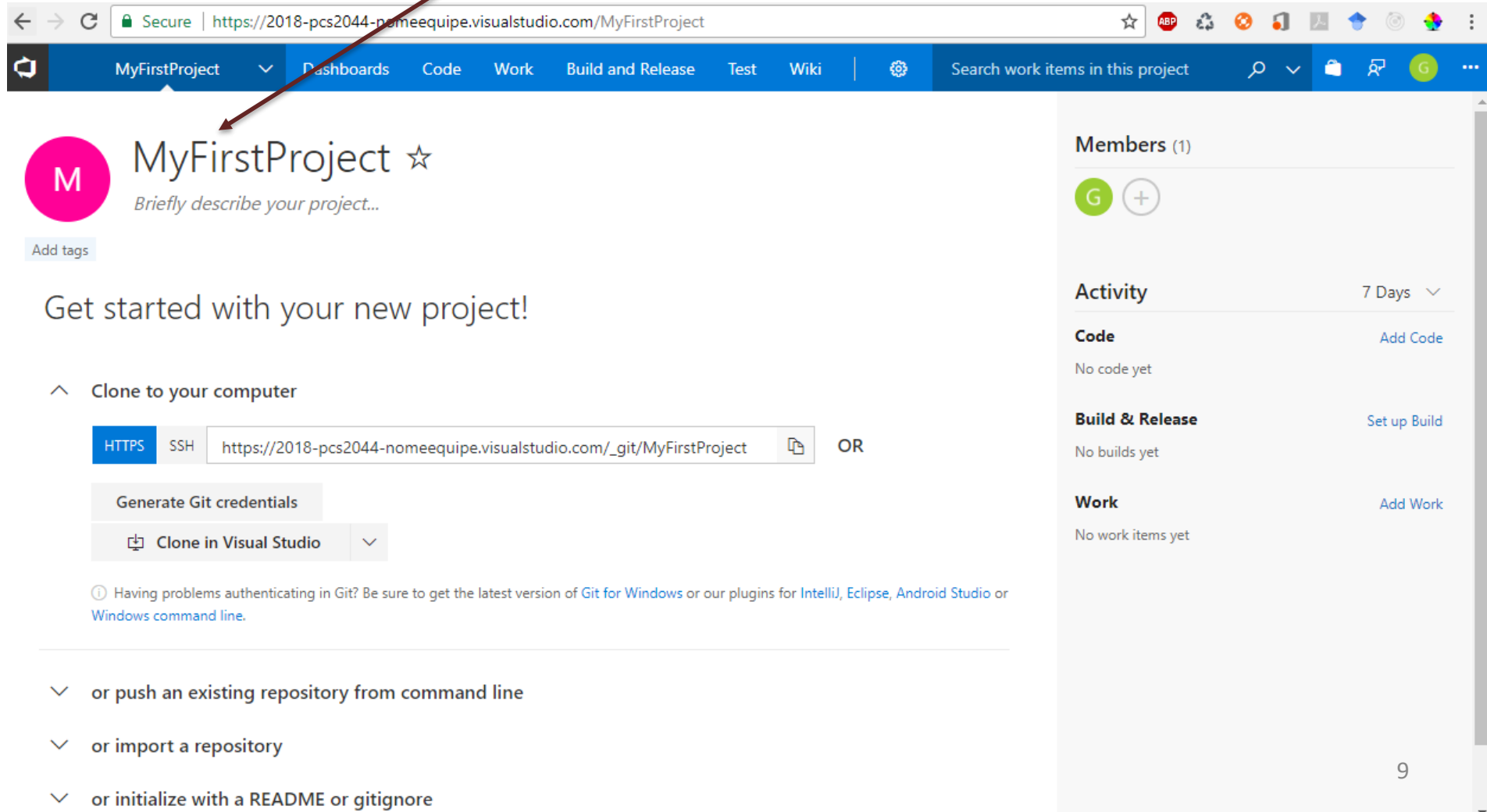
To keep our lawyers happy:  
By continuing, you agree to the [Terms of Service](#) and the [Privacy Statement](#).

# **PORTAL DO PROJETO**



# Portal do projeto

- Por default, quando é criada uma instancia do VSTS é criado um projeto intitulado “MyFirstProject”



The screenshot shows the VSTS project portal for 'MyFirstProject'. The browser address bar displays the URL: `https://2018-pcs2044-nomeequipe.visualstudio.com/MyFirstProject`. The navigation bar includes 'MyFirstProject', 'Dashboards', 'Code', 'Work', 'Build and Release', 'Test', and 'Wiki'. The main content area features a pink profile icon with the letter 'M', the project name 'MyFirstProject' with a star, and a placeholder for a description: 'Briefly describe your project...'. Below this is an 'Add tags' button and the text 'Get started with your new project!'. The 'Clone to your computer' section provides cloning instructions for HTTPS and SSH, with the SSH URL being `https://2018-pcs2044-nomeequipe.visualstudio.com/_git/MyFirstProject`. It also includes a 'Generate Git credentials' button and a 'Clone in Visual Studio' button. A note at the bottom of this section reads: 'Having problems authenticating in Git? Be sure to get the latest version of Git for Windows or our plugins for IntelliJ, Eclipse, Android Studio or Windows command line.' The right sidebar contains sections for 'Members (1)' (showing one member 'G'), 'Activity' (7 Days), 'Code' (Add Code), 'Build & Release' (Set up Build), and 'Work' (Add Work).

MyFirstProject ☆  
Briefly describe your project...

Add tags

Get started with your new project!

Clone to your computer

HTTPS SSH `https://2018-pcs2044-nomeequipe.visualstudio.com/_git/MyFirstProject` OR

Generate Git credentials

Clone in Visual Studio

Having problems authenticating in Git? Be sure to get the latest version of [Git for Windows](#) or our plugins for [IntelliJ](#), [Eclipse](#), [Android Studio](#) or [Windows command line](#).

Members (1)

Activity 7 Days

Code Add Code  
No code yet

Build & Release Set up Build  
No builds yet

Work Add Work  
No work items yet

or push an existing repository from command line

or import a repository

or initialize with a README or gitignore

# Portal do projeto

- O portal do projeto do VSTS organiza os “Team Services” ou serviços para equipes de desenvolvimento de software em 7 grupos

The screenshot shows the VSTS project portal for 'MyFirstProject'. The browser address bar displays the URL: `https://2018-pcs2044-nomeequipe.visualstudio.com/MyFirstProject`. The navigation bar includes links for 'MyFirstProject', 'Dashboards', 'Code', 'Work', 'Build and Release', 'Test', and 'Wiki'. A search bar is present on the right side of the navigation bar.

The main content area features a project profile for 'MyFirstProject' with a star icon and the text 'Briefly describe your project...'. Below this, there is a section titled 'Get started with your new project!' with a sub-section 'Clone to your computer'. This section provides options to clone the repository using HTTPS or SSH, with the SSH URL being `https://2018-pcs2044-nomeequipe.visualstudio.com/_git/MyFirstProject`. There are also buttons for 'Generate Git credentials' and 'Clone in Visual Studio'.

On the right side, there is a sidebar with several sections: 'Members (1)' showing one member (G), 'Activity' for the last 7 days, 'Code' with an 'Add Code' button, 'Build & Release' with a 'Set up Build' button, and 'Work' with an 'Add Work' button. The sidebar also shows 'No code yet', 'No builds yet', and 'No work items yet'.

At the bottom of the main content area, there are three options for cloning or initializing the repository:

- or push an existing repository from command line
- or import a repository
- or initialize with a README or gitignore

The page number '10' is visible at the bottom right corner.

# Portal do projeto

- O *Dashboard* está composto de *widgets* que oferecem informação do projeto e acesso direto a algumas funcionalidades
- *Widgets* podem ser adicionados, editados ou removidos

Secure | https://2018-pcs2044-nomeequipe.visualstudio.com/MyFirstProject/\_home

MyFirstProject | Dashboards | Code | Work | Build and Release | Test | Wiki | Search work items in this project

Overview

Welcome

Get started using Visual Studio Team Services to make the most of your team dashboard.

- Manage Work  
Add work to your board
- Collaborate on code  
Add code to your repository
- Continuously integrate  
Automate your builds
- Visualize progress  
Learn how to add charts

Work assigned to garfsoft (0)

All done with the work assigned to you? Go to your [team backlog](#) to pick up new work.

Team Members

Need someone for code reviews?

Invite a friend

Work

- Backlog
- Board
- Task board
- Queries

Sprint Burndown

Set iteration dates to use the sprint burndown widget

Set iteration dates

New Work Item

Enter title

Bug

Create

Open User Stories

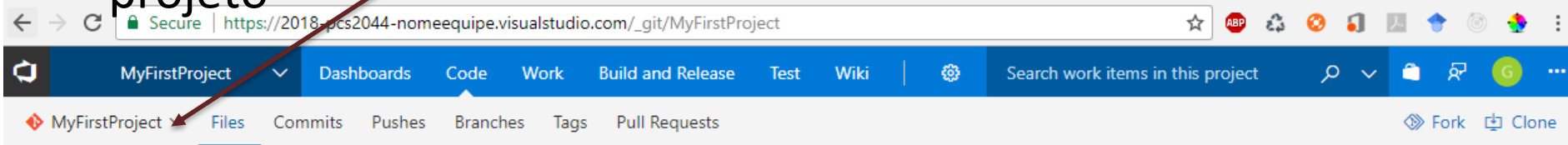
0 Work items

Visual Studio

- Open in Visual Studio  
Requires Visual Studio 2013+
- Get Visual Studio  
See Visual Studio downloads

# Portal do projeto

- Code: Serviços para gestão dos repositórios de código.
- Por default um repositório é criado com o mesmo nome do projeto



MyFirstProject is empty. Add some code!

## Clone to your computer

HTTPS SSH  OR

Having problems authenticating in Git? Be sure to get the latest version of [Git for Windows](#) or our plugins for [IntelliJ](#), [Eclipse](#), [Android Studio](#) or [Windows command line](#).

## or push an existing repository from command line

HTTPS SSH

```
git remote add origin https://2018-pcs2044-nomeequipe.visualstudio.com/_git/MyFirstProject
git push -u origin --all
```

## or import a repository

# Portal do projeto

- Work: Serviços para planejamento e controle do projeto
- Por default é definido o “Template de processo” Agile, ou seja, o VSTS utilizará termos associados às práticas ágeis, como por exemplo, Epic, Feature ou Stories. Mais informação no link: <https://www.visualstudio.com/en-us/docs/work/guidance/choose-process>
- Se aparecer a mensagem, ative o Work Items Hub. Essa funcionalidade permitirá filtrar os Work Items de forma simples.

Secure | [https://2018-pcs2044-nomeequipe.visualstudio.com/MyFirstProject/\\_backlogs?level=Stories&showParents=false&a=ba...](https://2018-pcs2044-nomeequipe.visualstudio.com/MyFirstProject/_backlogs?level=Stories&showParents=false&a=ba...)

MyFirstProject | Dashboards | Code | Work | Build and Release | Test | Wiki | Search work items in this project

Backlogs | Queries

New Work Items Hub: Review work items relevant to you in this project using personalized pivots. [Learn more](#) Try it! Not now

Features

Stories

Current

Iteration 1

Future

Iteration 2

Iteration 3

Stories

Backlog | Board

Forecast Off | Parents Hide | In progress items Show | Mapping Off

New | + | - | Create query | Column options |

Type User Story

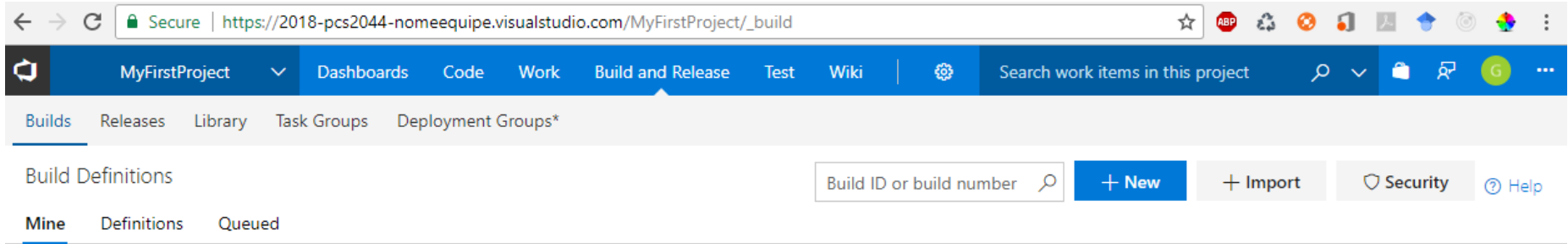
Title

Add

Order | Work Item Type | Title | State | Story ... | Value Area | Iteration Path

# Portal do projeto

- Build and Release: Serviços automação de build e release



The screenshot shows the Visual Studio Build and Release portal for a project named 'MyFirstProject'. The browser address bar shows the URL: [https://2018-pcs2044-nomeequipe.visualstudio.com/MyFirstProject/\\_build](https://2018-pcs2044-nomeequipe.visualstudio.com/MyFirstProject/_build). The navigation bar includes 'MyFirstProject', 'Dashboards', 'Code', 'Work', 'Build and Release', 'Test', and 'Wiki'. Below the navigation bar, there are tabs for 'Builds', 'Releases', 'Library', 'Task Groups', and 'Deployment Groups\*'. The main content area is titled 'Build Definitions' and includes a search box for 'Build ID or build number', a '+ New' button, a '+ Import' button, and links for 'Security' and 'Help'. The 'Mine' tab is selected, showing a message: 'You can use a build definition to automate your build process.' Below this, it states: 'The MyFirstProject team project doesn't have any build definitions.' There are two buttons: '+ New definition' and 'Get started'.



The screenshot shows the Visual Studio Build and Release portal for a project named 'MyFirstProject', specifically the 'Releases' section. The browser address bar shows the URL: [https://2018-pcs2044-nomeequipe.visualstudio.com/MyFirstProject/\\_release](https://2018-pcs2044-nomeequipe.visualstudio.com/MyFirstProject/_release). The navigation bar includes 'MyFirstProject', 'Dashboards', 'Code', 'Work', 'Build and Release', 'Test', and 'Wiki'. Below the navigation bar, there are tabs for 'Builds', 'Releases', 'Library', 'Task Groups', and 'Deployment Groups\*'. The main content area is titled 'Release Management' and includes a message: 'Release Management helps you automate the deployment and testing of your software in multiple environments. You can either fully automate the delivery of your software all the way to production, or set up semi-automated processes with approvals and on-demand deployments.' Below this, it states: 'Start by creating a new release definition.' There are three buttons: '+ New definition', 'Getting started', and 'Security'.

# Portal do projeto

- Test: Serviços para planejamento e automação de test unitário, de interface e de carga

Secure | https://2018-pcs2044-nome-equipe.visualstudio.com/MyFirstProject/\_testManagement

MyFirstProject Dashboards Code Work Build and Release Test Wiki

Search work items in this project

Test Plans Runs Machines Load test

You are currently logged in as a user with **basic access level** and you are seeing this page as you don't have any test plans and test suites created for the selected team.

## Welcome to Test hub

A central location where your team can coordinate all your manual test activities, track progress, and get critical insights. As a user with basic access level, here is how you can get started right away.

### Create, run and track tests directly from the cards

As a basic user, you can now create tests for your users stories and run tests right on your Kanban board. [Learn more.](#)

### Use Test & Feedback to test web applications and submit feedback

You can now capture findings, create issues, and collaborate with team directly from the browser across all platforms. [Learn more.](#)

Stories

Backlog Board

New Active 1/5 Resolved

+ New Item

Hello World Web Site  
Christie Church  
0/4

Customer address form  
Raissa Pokrovskaya  
2

Customer welcome page  
Jamal Hartnett  
0/3 3

+ Add Test | ↗

- Change colors on initial view
- Change initial page size
- Log in with email

Do exploratory testing

- Run test
- Resume test
- Open
- Edit title
- Remove test
- Reset to active

Slow response on form  
Christie Church  
1

+ Add Test | ↗

- Calibrate response

The Exploratory Testing extension is now Test & Feedback.

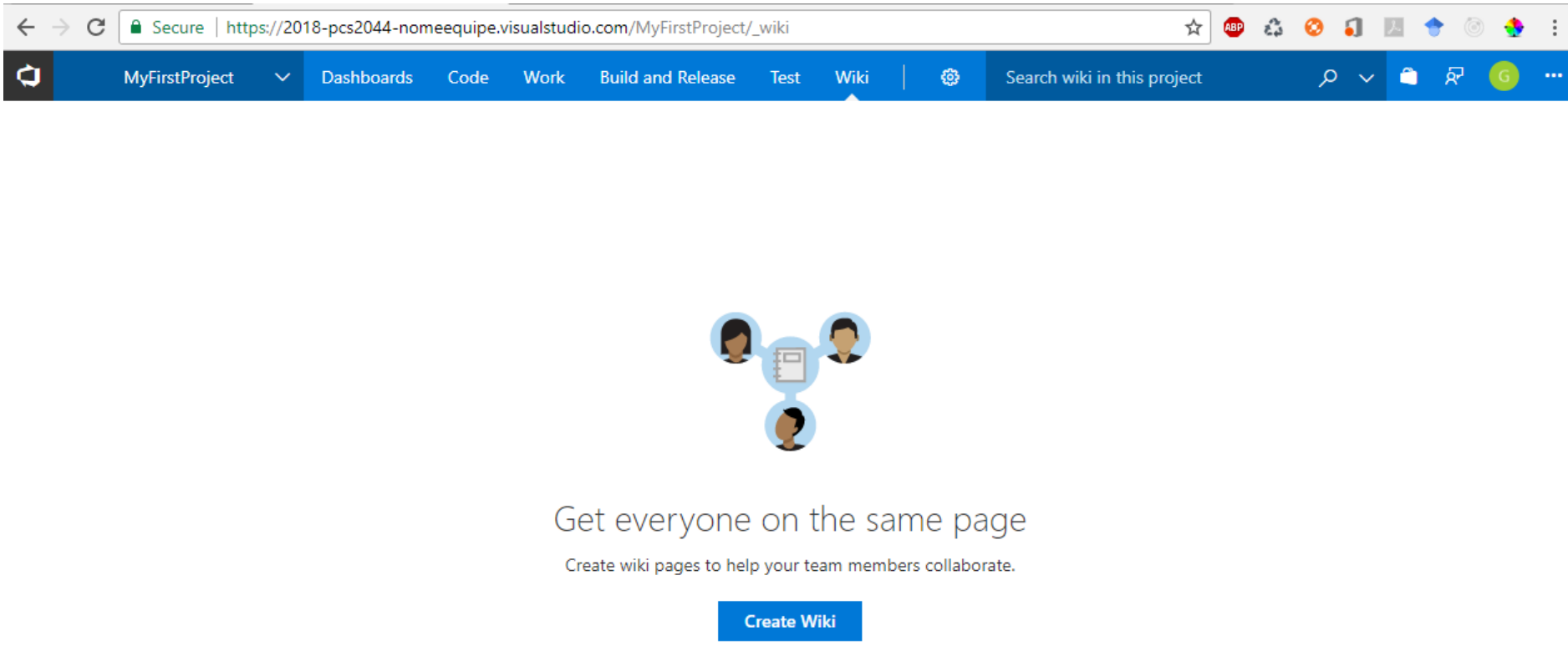
Default Profile

Screen Rec

Execute test directly from Kanban board

# Portal do projeto

- Wiki: Serviços para criar documentação de forma colaborativa




The screenshot shows a web browser window with the URL `https://2018-pcs2044-nomeequipe.visualstudio.com/MyFirstProject/_wiki`. The browser's address bar includes a star icon, a red 'ABP' icon, a recycling icon, a refresh icon, a share icon, a search icon, and a menu icon. The page header is a blue navigation bar with the following elements: a home icon, 'MyFirstProject' with a dropdown arrow, 'Dashboards', 'Code', 'Work', 'Build and Release', 'Test', 'Wiki' (highlighted with a white mouse cursor), a gear icon, and a search bar containing the text 'Search wiki in this project'. Below the navigation bar, the main content area features a central graphic of three stylized human icons connected to a central document icon. Below this graphic, the text reads 'Get everyone on the same page' followed by 'Create wiki pages to help your team members collaborate.' and a prominent blue button labeled 'Create Wiki'.



# Portal do projeto

- Configuração: Serviços para configurar o portal do projeto “MyFirstProject”
- As configurações feitas nessa tela são validas apenas para o projeto “MyFirstProject”. Configurações gerais do VSTS podem ser feitas no portal da equipe

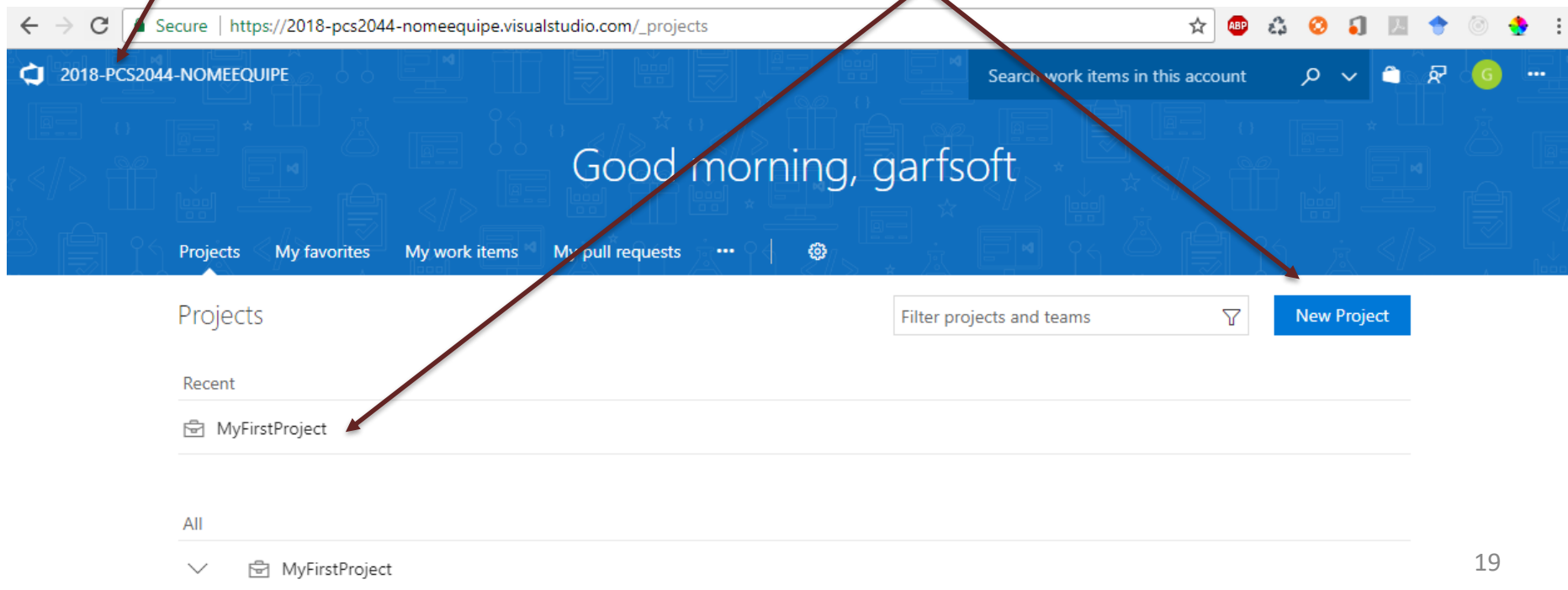
The screenshot shows the VSTS project portal for 'MyFirstProject'. The browser address bar displays the URL: [https://2018-pcs2044-nomeequipe.visualstudio.com/MyFirstProject/\\_admin](https://2018-pcs2044-nomeequipe.visualstudio.com/MyFirstProject/_admin). The navigation bar includes 'MyFirstProject', 'Dashboards', 'Code', 'Work', 'Build and Release', 'Test', and 'Wiki'. A search bar is present with the text 'Search work items in this project'. Below the navigation bar, the 'Services' menu is expanded, showing options: Overview, Work, Security, Version Control, Policies, Agent Queues, Notifications, Service Hooks, Services, Test, and Release. The main content area is divided into two sections: 'Project profile' and 'Teams'. The 'Project profile' section shows a purple icon representing the project, with the name 'MyFirstProject' and a 'Process' dropdown set to 'Agile'. The 'Teams' section shows a 'New team' button and a table of existing teams.

Team Name ↑	Members	Description
 MyFirstProject Team	1	The default project team.

# **PORTAL DA EQUIPE**

# Portal da equipe

- O portal da equipe permite gerenciar todos os projetos na conta **2018-PCS3643-NOME EQUIPE**
- Podem ser criados novos projetos e acessar os que já existem



The screenshot displays the Visual Studio Team Portal interface for the account '2018-PCS2044-NOME EQUIPE'. The browser address bar shows the URL 'https://2018-pcs2044-nomeequipe.visualstudio.com/\_projects'. The main header area is blue and contains the text 'Good morning, garfsoft'. Below the header, there are navigation tabs for 'Projects', 'My favorites', 'My work items', and 'My pull requests'. A search bar is present with the text 'Search work items in this account'. On the right side of the header, there is a 'New Project' button. Below the header, the 'Projects' section is visible, featuring a filter input field labeled 'Filter projects and teams' and a 'New Project' button. Under the 'Recent' section, a project named 'MyFirstProject' is listed. Under the 'All' section, the same project 'MyFirstProject' is listed with a dropdown arrow to its left.

# Portal da equipe

- Para adicionar usuários à **2018-PCS3643-NOMEEQUIPE** selecione a opção **Users** ou entre nas configurações da conta

The screenshot shows a web browser window with the URL [https://2018-pcs2044-nomeequipe.visualstudio.com/\\_projects](https://2018-pcs2044-nomeequipe.visualstudio.com/_projects). The page title is "2018-PCS2044-NOMEEQUIPE" and the user is logged in as "garfsoft". The navigation bar includes "Projects", "My favorites", "My work items", "My pull requests", and a settings gear icon. A dropdown menu is open from the settings gear, showing options: "Unpinned items", "Load test", and "Users". A red arrow points from the text "Users" in the list item to the "Users" option in the dropdown menu. Another red arrow points from the text "ou entre nas configurações da conta" to the settings gear icon.

# Portal da equipe

- Para adicionar usuários à **2018-PCS3643-NOME EQUIPE** clique na opção “Add”. Só poderão ser adicionados usuários com conta Microsoft (live, Hotmail, outlook)
- Adicione todos os integrantes da equipe e a conta [garfsoft@outlook.com](mailto:garfsoft@outlook.com) (conta do Grupo de ARquitetura e Fábrica de SOFTWARE)
- O VSTS é free até 5 usuários!

Secure | [https://2018-pcs2044-nomeequipe.visualstudio.com/\\_admin/\\_users](https://2018-pcs2044-nomeequipe.visualstudio.com/_admin/_users)

2018-PCS2044-NOME... Projects My favorites Search work items in this account

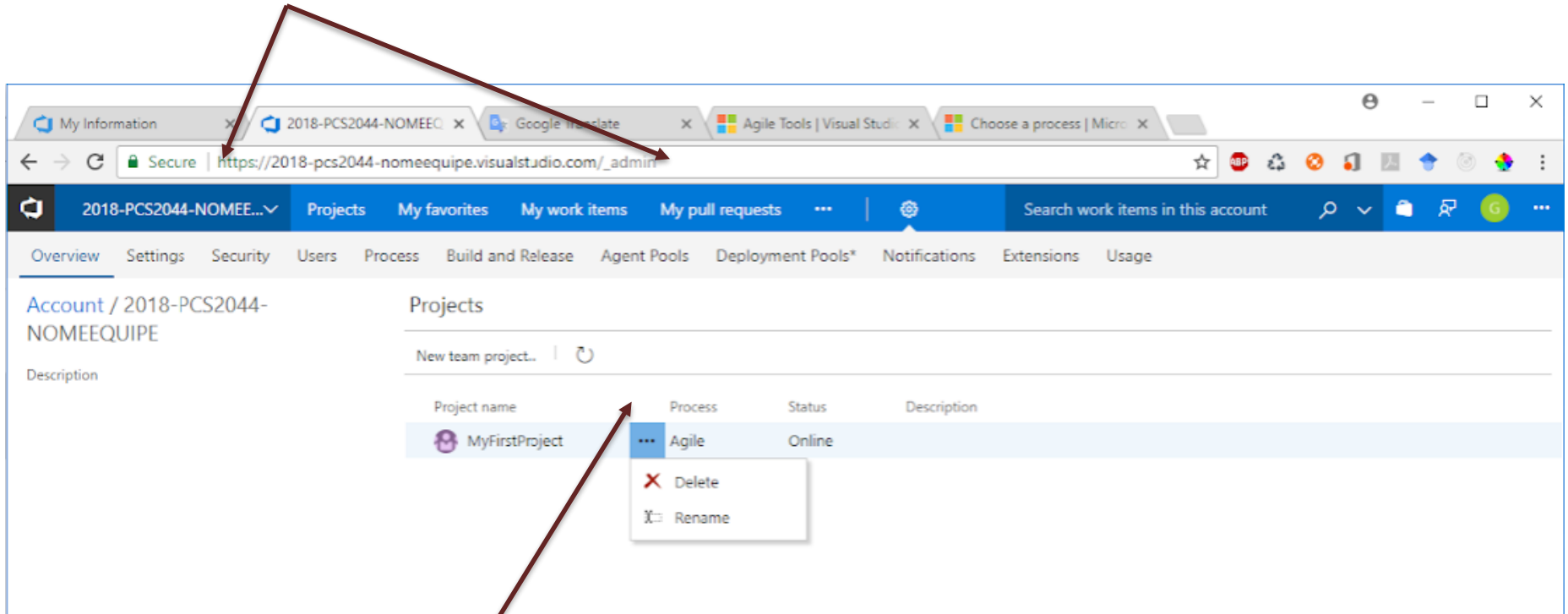
Overview Settings Security **Users** Process Build and Release Agent Pools Deployment Pools\* Notifications Extensions Usage

Manage users | Summary **+ Add new users** Export users

Name ↑	Extensions	Access Level	Last Access
garfsoft garfsoft@outlook.com	...	Basic	10/01/2018

# Portal da equipe

- Configuração: Serviços para configurar o portal da equipe “N 2018-PCS3643-NOMEEQUIPE”



- É possível fazer configurações do projeto que não podem ser feitas no próprio portal do Projeto

**CRIAR PROJETO**

# Criar projeto

The screenshot shows the Visual Studio web interface. The browser address bar displays the URL [https://2018-pcs2044-nomeequipe.visualstudio.com/\\_projects](https://2018-pcs2044-nomeequipe.visualstudio.com/_projects). The page header includes the account name "2018-PCS2044-NOMEQUIPE" and a search bar for work items. The main content area features a blue header with the greeting "Good morning, garfsoft" and navigation tabs for "Projects", "My favorites", "My work items", and "My pull requests". Below the header, the "Projects" section is visible, containing a filter input field labeled "Filter projects and teams" and a prominent blue "New Project" button, which is highlighted with a red dashed border. The "Recent" section lists "MyFirstProject" with a folder icon, and the "All" section also lists "MyFirstProject" with a dropdown arrow and a folder icon.



# Criar projeto

- Selecionar o “process template” Scrum
- Clicar na opção “Create Project”

Secure | [https://2018-pcs2044-nomeequipe.visualstudio.com/\\_projects?\\_a=new](https://2018-pcs2044-nomeequipe.visualstudio.com/_projects?_a=new)

2018-PCS2044-NOME EQUIPE Projects My favorites My work items My pull requests Search work items in this account

Create new project

Projects contain your source code, work items, automated builds and more.

Project name \*  
NOME DO PROJETO ✓

Description  
Escreva uma breve descrição do projeto

Version control  
Git ?

Work item process  
Scrum ?

Create Cancel

<https://2018-pcs2044-nomeequipe.visualstudio.com>

# Criar projeto

The screenshot shows the Visual Studio web interface for a new project. The browser address bar shows the URL: `https://2018-pcs2044-nomeequipe.visualstudio.com/NOME%20DO%20PROJETO`. The navigation bar includes "NOME DO PROJETO", "Dashboards", "Code", "Work", "Build and Release", "Test", and "Wiki". A search bar for work items is also present.

The main content area features a project logo "NP" and the name "NOME DO PROJETO". Below the name is a prompt: "Escreva uma breve descrição do projeto". There is an "Add tags" button.

The heading "Get started with your new project!" is followed by a section "Clone to your computer". This section provides a URL for cloning: `https://2018-pcs2044-nomeequipe.visualstudio.com/_git/NOME%20DO...`. It includes options for "Generate Git credentials" and "Clone in Visual Studio".

Below the cloning options, there is a note: "Having problems authenticating in Git? Be sure to get the latest version of Git for Windows or our plugins for IntelliJ, Eclipse, Android Studio or Windows command line."

At the bottom, there are three instructions for cloning:

- or push an existing repository from command line
- or import a repository
- or initialize with a README or gitignore

The right sidebar contains sections for "Members (1)", "Activity" (7 Days), "Code" (Add Code), "Build & Release" (Set up Build), and "Work" (Add Work).

# **PLANEJAMENTO DO PROJETO**

# Planejamento do projeto

- Configure a hierarquia de itens de trabalho
- Ative a opção “Epics”

Work Items\* Backlogs Queries

Backlog items

Backlog Board

Forecast Off Parents Hide In progress items Show Mapping Off

New + Create query Column options

Type Product Backlog Item

Title

Add

Order Work Item Type Title State Effort Value Area Iteration Path Tags

Settings

Backlogs

See only the backlogs your team manages.

Backlog navigation levels

Epics

Features

Backlog items

Save Cancel

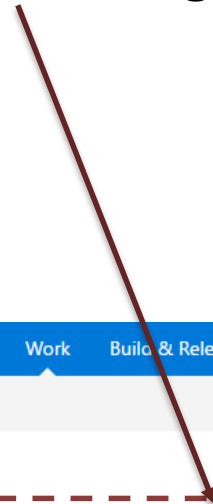
# Planejamento do projeto

- Hierarchy of work items
  - Epics (modules of the system):
    - Groups Features or characteristics
  - Features:
    - Groups backlog items or software requirements
  - Backlog item:
    - Define some work that needs to be done and can be delivered in a Sprint
    - Items that define something that the system should do (behavior) and the business value for the user
    - Other types of items include attributes of quality, bugs, configuration of tools, infrastructure of the product, studies and laboratory activities
    - Example of functional item title: Como *<paper>* quero *<atividade>* para *<valor / benefício>*

The screenshot displays the Azure DevOps interface for project planning. The top navigation bar includes 'HOME PROJETO', 'Home', 'Code', 'Work', 'Build & Release', and 'Test'. The 'Work' tab is active, showing a search bar for 'Search work items'. The left sidebar is highlighted with a red dashed box, showing the navigation menu with 'Backlog items' selected. The main area shows a 'New' button, a dropdown menu for 'Product Backlog Item', and a text input field for the title. Below the input field is a table with columns for Order, Work Item Type, Title, State, Effort, Value Area, Iteration Path, and Tags.

# Planejamento do projeto

- Para adicionar Backlog Items insira um título e depois em “Add”



The screenshot shows the Azure DevOps interface. The top navigation bar includes 'HOME PROJETO', 'Home', 'Code', 'Work', 'Build &amp; Release', and 'Test'. A search bar for 'Search work items' is on the right. The left sidebar shows 'Backlogs' and 'Queries' tabs, with 'Backlog items' selected. The main area displays the 'Backlog items' dialog box, which is highlighted with a red dashed border. The dialog has a 'New' button and a 'Type' dropdown set to 'Product Backlog Item'. The 'Title' field is highlighted in yellow, and an 'Add' button is next to it. Below the dialog, a table with columns 'Order', 'Work Item Type', 'Title', 'Stage', 'Effort', 'Value Area', 'Iteration Path', and 'Tags' is visible.

\* São apenas exemplos, cada equipe deve criar o seu próprio planejamento

# Planejamento do projeto

- Exemplos de Backlog item
- A ordem dos items define a prioridade. Quanto mais acima da lista maior a prioridade
- Os items são classificados em aqueles que geram valor para o negócio ou para a arquitetura do produto

The screenshot shows a project management interface with a backlog of items. The items are ordered by priority, with the most important at the top. The screenshot includes a navigation menu on the left, a top bar with tabs like 'Home', 'Code', 'Work', 'Build & Release', and 'Test', and a main area displaying a list of backlog items with columns for Order, Work Item Type, Title, State, Effort, Value Added, Iteration Path, and Tags.

Order	Work Item Type	Title	State	Effort	Value Added	Iteration Path	Tags
1	Product Backlog Item	Estudo da Sprint 1	New		Business	NOMEPROJETO	
2	Product Backlog Item	Entregável da aula 02 - NOME DO ENTREGÁVEL	New		Architectural	NOMEPROJETO	
3	Product Backlog Item	Como cliente quero solicitar orçamentos de serviço para sabe...	New		Business	NOMEPROJETO	
4	Product Backlog Item	Como integrador quero recibir solicitudes de orçamento aco...	New		Business	NOMEPROJETO	
5	Product Backlog Item	Configurar o ambiente de desenvolvimento	New		Architectural	NOMEPROJETO	
6	Product Backlog Item	A solicitação de orçamento deve ser encaminhada para os int...	New		Architectural	NOMEPROJETO	
7	Product Backlog Item	Como cliente quero comparar orçamentos de serviço disponi...	New		Business	NOMEPROJETO	

\* São apenas exemplos, cada equipe deve criar o seu próprio planejamento

# Planejamento do projeto

- Exemplos de Features
- A ordem dos items define a prioridade. Quanto mais acima da lista maior a prioridade
- Os items são classificados em aqueles que geram valor para o negócio ou para a arquitetura do produto

The screenshot displays a project management interface with a blue header bar containing navigation options: 'HOME PROJETO', 'Home', 'Code', 'Work', 'Build & Release', and 'Test'. A search bar on the right says 'Search work items'. Below the header, there are tabs for 'Backlogs' and 'Queries'. The left sidebar shows a tree view with 'Epics', 'Features', and 'Backlog items'. The main area shows a 'Features' backlog with a table of items. A 'New' dialog box is open for adding a feature. The table columns are Order, Work Item Type, Title, State, Effort, Busin..., Value Area, and Tags. The items are numbered 1 through 7, with the first item being 'Orçamentos - atributos de qualidade'.

Order	Work Item Type	Title	State	Effort	Busin...	Value Area	Tags
+	1	Feature	> Orçamentos - atributos de qualidade	...	● New	Architectural	
	2	Feature	Infraestrutura operação do sistema	● New		Architectural	
	3	Feature	> Infraestrutura equipe projeto	● New		Architectural	
	4	Feature	> Orçamentos - PMV do cliente	● New		Business	
	5	Feature	> Orçamentos - PMV do integrador	● New		Business	
	6	Feature	> Lab PCS2044 - preparação	● New		Architectural	
	7	Feature	> Lab PCS2044 - entregáveis	● New		Architectural	

\* São apenas exemplos, cada equipe deve criar o seu próprio planejamento



# Planejamento do projeto

- Para mapear Backlog items com features coloque a opção “Mapping On”, selecione um item, arraste e solte na feature relacionada

The screenshot displays the Azure DevOps interface for a project named 'NOMEPROJETO'. The top navigation bar includes 'Home', 'Code', 'Work', 'Build & Release', and 'Test'. The 'Work' section is active, showing a 'Backlog board' with a 'Mapping On' toggle. The backlog items are listed in a table with columns for Order, Work Item Type, Title, State, Effort, and Value Area. The 'Features' list on the right shows various items, including 'Orçamentos - atributos de qualidade' and 'Infraestrutura operação do sistema'. Red arrows illustrate the mapping process: one arrow points to the 'Mapping On' toggle, another to a selected backlog item, and several others to corresponding features in the right-hand pane.

Order	Work Item Type	Title	State	Effort	Value Area
1	Product Backlog Item	Como integrador quero criar um orçamento de serviço p...	New		Business
2	Product Backlog Item	Estudo da Sprint 1	New		Business
3	Product Backlog Item	Entregável da aula 02 - NOME DO ENTREGÁVEL	New		Architectural
4	Product Backlog Item	Como cliente quero solicitar orçamentos de serviço para sabe...	New		Business
5	Product Backlog Item	Como integrador quero recibir solicitações de orçamento aco...	New		Business
6	Product Backlog Item	Configurar o ambiente de desenvolvimento	New		Architectural
7	Product Backlog Item	A solicitação de orçamento deve ser encaminhada para os int...	New		Architectural
8	Product Backlog Item	Como cliente quero comparar orçamentos de serviço disponí...	New		Business

Title
Orçamentos - atributos de qualidade
Infraestrutura operação do sistema
Infraestrutura equipe projeto
Orçamentos - cliente
Orçamentos - integrador
Lab PCS2044 - preparação
Lab PCS2044 - entregáveis

\* São apenas exemplos, cada equipe deve criar o seu próprio planejamento

# Planejamento do projeto

- Igual para os Epics

The screenshot shows the Azure DevOps interface for a project named 'NOMEPROJETO'. The 'Work' tab is selected in the top navigation bar. The left sidebar shows the 'Epics' view selected. The main area displays a table of work items under the 'Epics' view. A 'New' button is visible at the top of the table.

Order	Work Item Type	Title	State	Effort	Busin...	Value Area	Tags
1	Epic	Orçamentos	New			Business	
	Feature	Orçamentos - atributos de qualidade	New			Architectural	
	Feature	Orçamentos - PMV do cliente	New			Business	
	Feature	Orçamentos - PMV do integrador	New			Business	
2	Epic	Infraestrutura	New			Business	
	Feature	Infraestrutura operação do sistema	New			Architectural	
	Feature	Infraestrutura equipe projeto	New			Architectural	
3	Epic	Lab PCS2044	New			Business	
	Feature	Lab PCS2044 - preparação	New			Architectural	
	Feature	Lab PCS2044 - entregáveis	New			Architectural	

# Planejamento do projeto

- Essa é a lista de todos os items do projeto
- Por default são criadas algumas “Sprints”
- Para alocar Backlog items em Spints selecione um ou vários items, arraste e solte na Sprint em que são previstos

The screenshot displays the Azure DevOps interface for project planning. The top navigation bar includes 'Home', 'Code', 'Work', 'Build & Release', and 'Test'. The 'Backlog items' view is active, showing a list of items with columns for Order, Work Item Type, Title, State, Effort, Value Area, Iteration Path, and Tags. A sidebar on the left shows 'Current' and 'Future' sections, with 'Sprint 1' selected. A red dashed box highlights 'Sprint 2' through 'Sprint 6' in the 'Future' section. A red arrow points from the text 'arraste e solte na Sprint em que são previstos' to the 'Sprint 1' selection in the sidebar.

Order	Work Item Type	Title	State	Effort	Value Area	Iteration Path	Tags
1	Product Backlog Item	Como integrador quero criar um orçamento de serviço p...	New		Business	NOVEPROJETO\Sprint 1	
2	Product Backlog Item	Estado da Sprint 1	New		Business	NOVEPROJETO\Sprint 1	
3	Product Backlog Item	entreguei da rule (2) - NOVA EXPLORAR QUANTO	New		Architectural	NOVEPROJETO\Sprint 1	
4	Product Backlog Item	Como cliente quero alocar orçamentos de serviço para ...	New		Business	NOVEPROJETO\Sprint 1	
5	Product Backlog Item	Como integrador quero receber solicitações de orçamento...	New		Business	NOVEPROJETO\Sprint 1	
6	Product Backlog Item	Configurar o ambiente de desenvolvimento	New		Architectural	NOVEPROJETO\Sprint 1	
7	Product Backlog Item	A solicitação de orçamento deve ser encaminhada para o...	New		Architectural	NOVEPROJETO\Sprint 1	
8	Product Backlog Item	Como cliente quero comparar orçamentos de serviço dif...	New		Business	NOVEPROJETO\Sprint 1	

# Planejamento do projeto

- Clicar na Sprint 1
- Essa é a lista dos items da Sprint 1
- Clicar na opção “Set dates”

The screenshot displays the Azure DevOps interface for a project named 'NOMEPROJETO'. The top navigation bar includes 'Home', 'Code', 'Work', 'Build & Release', and 'Test'. The 'Work' tab is active, showing a 'Backlog' view for 'NOMEPROJETO Team Sprint 1'. The left sidebar shows a hierarchy of 'Epics', 'Features', and 'Backlog items', with 'Sprint 1' selected under the 'Current' category. The main area shows a table of work items for 'Sprint 1'. A 'New' button is visible, and a 'Set dates' button is highlighted in a red dashed box. A red arrow points from the text 'Clicar na opção “Set dates”' to this button. Another red arrow points from the text 'Clicar na Sprint 1' to the 'Sprint 1' item in the sidebar.

Work Item Type	Title	State	Effort	Value Area	Iteration Path	Tags
+ Product Backl...	Como integrador quero criar um orçamento de serviço p...	New		Business	NOMEPROJETO\Sprint 1	
Product Backl...	Estudo da Sprint 1	New		Business	NOMEPROJETO\Sprint 1	
Product Backl...	Entregável da aula 02 - NOME DO ENTREGÁVEL	New		Architectural	NOMEPROJETO\Sprint 1	
Product Backl...	Como cliente quero solicitar orçamentos de serviço para sabe...	New		Business	NOMEPROJETO\Sprint 1	
Product Backl...	Como integrador quero recibir solicitações de orçamento aco...	New		Business	NOMEPROJETO\Sprint 1	
Product Backl...	Configurar o ambiente de desenvolvimento	New		Architectural	NOMEPROJETO\Sprint 1	
Product Backl...	A solicitação de orçamento deve ser encaminhada para os int...	New		Architectural	NOMEPROJETO\Sprint 1	
Product Backl...	Como cliente quero comparar orçamentos de serviço disponí...	New		Business	NOMEPROJETO\Sprint 1	

# Planejamento do projeto

- Defina as datas de início e fim da Sprint
- O título pode ser alterado. É sugerido colocar o objetivo da Sprint no título.
- Clicar em “Save and close”.

The screenshot shows the Microsoft Project web interface. The main area displays the 'NOMEPROJETO Team Sprint 1' backlog. The 'Edit iteration' dialog box is open, showing the following fields:

- Iteration name: Sprint 1
- Start date: 10/01/2018
- End date: 31/01/2018

The 'Save and close' button is highlighted in blue. Red arrows point from the text in the list above to the 'Start date', 'End date', and 'Save and close' fields in the dialog box. A red dashed box highlights the 'No iteration date' text in the background interface.

# Planejamento do projeto

- Cada item é quebrado em Tasks
- Uma Task é uma pequena unidade de trabalho necessária para completar um item
- O esforço de uma Task deve poder ser estimado em tempo (menor que 8 horas)
- Uma Task pode ser alocada para uma pessoa
- Passe o mouse sobre um item e aparecerá a opção de “Add task” e clique

The screenshot shows the Azure DevOps interface for a project named 'NOME PROJETO'. The main view is the 'Backlog' for 'Sprint 1 - MVC orientad...'. A table of work items is displayed, with the first item highlighted. A red dashed box highlights the 'Add Task' button in the context menu of the first item. A red arrow points from the text 'Add task' in the list above to this button.

Work Item Type	Title	State	Effort	Value Area	Iteration Path	Tags
+ Product Backl...	Como integrador quem criar um orçamento de serviço pu...	New		Business	NOME PROJETO\Sprint 1 - MVC...	
Add Task	studo da sprint 1	New		Business	NOME PROJETO\Sprint 1 - MVC...	
Product Backl...	Integrel de tudo (O NOME PROJETO E O USU)	New		Architectural	NOME PROJETO\Sprint 1 - MVC...	
Product Backl...	Como cliente quero solicitar orçamentos de serviço para sobe...	New		Business	NOME PROJETO\Sprint 1 - MVC...	
Product Backl...	Como integrador quero receber solicitações de orçamento coo...	New		Business	NOME PROJETO\Sprint 1 - MVC...	
Product Backl...	Configurar o ambiente de desenvolvimento	New		Architectural	NOME PROJETO\Sprint 1 - MVC...	
Product Backl...	A solicitação de orçamento deve ser encaminhada para os int...	New		Architectural	NOME PROJETO\Sprint 1 - MVC...	
Product Backl...	Como cliente quero comparar orçamentos de serviço disponi...	New		Business	NOME PROJETO\Sprint 1 - MVC...	

# Planejamento do projeto

- Preencher o formulário da Task
- Clicar em “Save and close”

The screenshot shows the Visual Studio interface for creating a new task. The browser address bar displays the URL: [https://nomeequipe-pcs2044.visualstudio.com/NOMEPROJETO/\\_backlogs/Iteration/Sprint%201%20-%20MVC%20orçamentos?\\_dialog=workitem](https://nomeequipe-pcs2044.visualstudio.com/NOMEPROJETO/_backlogs/Iteration/Sprint%201%20-%20MVC%20orçamentos?_dialog=workitem). The top navigation bar includes 'HOME PROJETO', 'Home', 'Code', 'Work', 'Build & Release', and 'Test'. The 'NEW TASK' dialog is open, showing the task title 'Codificar', assigned to 'Unassigned'. The state is 'To Do' and the area is 'NOMEPROJETO'. The reason is 'New task' and the iteration is 'NOMEPROJETO\Sprint 1 - MVC orçamentos'. The 'Save & Close' button is highlighted with a red dashed box and a red arrow pointing to it from the text 'Clicar em "Save and close"' in the list above. The dialog also shows a description field, a discussion field, and a 'Details' section with 'Priority 2' and 'Remaining Work'. The 'Development' section shows '+ Add link' and 'Development hasn't started on this item.' The 'Related Work' section shows '+ Add link' and a parent item '8 Como integrador quero criar um orça...' updated 17 minutes ago.

# Planejamento do projeto

- Estrutura analítica do projeto EAP de software

The screenshot shows a web-based project management interface. The main content area displays a backlog of work items under the heading 'Epics'. A red dashed box highlights a specific epic and its associated tasks. A red arrow points from the top of the slide to the box.

Order	Work Item Type	Title	State	Effort	Busin...	Value Area	Tags
1	Epic	Orçamentos	New			Business	
	Feature	Orçamentos - atributos de qualidade	New			Architectural	
	Feature	Orçamentos - PMV do cliente	New			Business	
	Feature	Orçamentos - PMV do integrador	New			Business	
+	Product Backl...	Como integrador quero criar um orçamento de serv...	New			Business	
	Task	Codificar camada de apresentação	To Do				
	Task	Codificar camada de lógica de negócios	To Do				
	Task	Codificar camada de acesso a dados	To Do				
	Task	Escrever testes unitários	To Do				
	Task	Escrever cenários de testes de negócio	To Do				
	Task	Automatizar testes	To Do				
	Product Backl...	Como integrador quero recibir solicitudes de orçament...	New			Business	
2	Epic	Infraestrutura	New			Business	
3	Epic	Lab PCS2044	New			Business	

- O que está faltando na EAP?



# Referências

- <https://app.pluralsight.com/library/courses/devops-skills-developers-visual-studio-tfs-2015/table-of-contents>
- <https://mva.microsoft.com/en-US/training-courses/devops-with-visual-studio-team-services-and-team-foundation-server-16779>