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BRAZILIAN EXCHANGE AND OTC.



DATAWISE

USER MANUAL

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1 DATAWISE

DATAWISE is an analytical data provision service that allows its users to execute descriptive analysis of the markets in which they trade. Data are published in the form of comparative panels called dashboards, with graphs and information relevant to decision-making processes.

2 TECHNICAL SPECIFICATIONS OF THE TABLEAU SERVER

Before accessing the DATAWISE webportal it is important to check whether the browser compatibility prerequisites have been met.

Tableau Server 10.3

Web Browsers
Chrome in Windows, Mac and Android 4.4 or later version
Microsoft Edge and Internet Explorer 11 in Windows
Mozilla Firefox and Firefox ESR in Windows and in Mac
Apple Safari in Mac and in iOS 8.x or later version

3 CONTRACTING

Service contracting is carried out directly with the B3 Customer Relationship area by telephone on +55 11 2565-7907 or by email at datawise@b3.com.br.

For further information about the contracting process, please refer to the DATAWISE Commercial Policy available at www.b3.com.br/datawise

4 GRANTING OF ACCESS

After contracting the service, the user will be granted access to DATAWISE.

The processes for granting access to participants and non-participants are described in the items below.

4.1 Granting access to participants

The access granting occurs in the Unified Access Control (UAC) system, whose purpose is to provide a single system of Identity and Access Management, thereby simplifying management of accesses and unifying their control in a secure environment. To access the services contracted at DATAWISE, the user will require pre-authorization from the institution's user with permission level at UAC.

4.1.1 Registration of users by the user with permission level

To grant accesses, the user with permission level must access the website <https://cau.bvmfnet.com.br/cauwebportal/> and login:



The screenshot displays a web interface for the UAC system. At the top left, the logo 'BM&FBOVESPA' is visible. The main content area is mostly blank, with a central dialog box titled 'Acesso ao Sistema'. This dialog box contains two input fields: 'Login:' and 'Senha:'. To the right of the 'Senha:' field is a blue button labeled 'Entrar'. Below the input fields are two links: 'Esqueci minha senha' and 'Esqueci meu login'.

Figure 1 – Login UAC

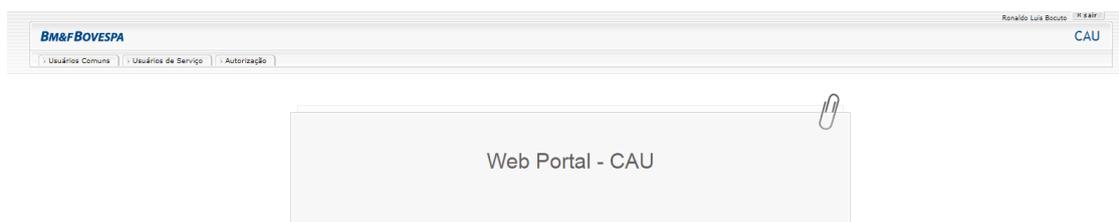


Figure 2 – UAC initial screen

At the “Autorização” (*authorization*) tab, select the “Conceder Acessos” (*grant access*) option

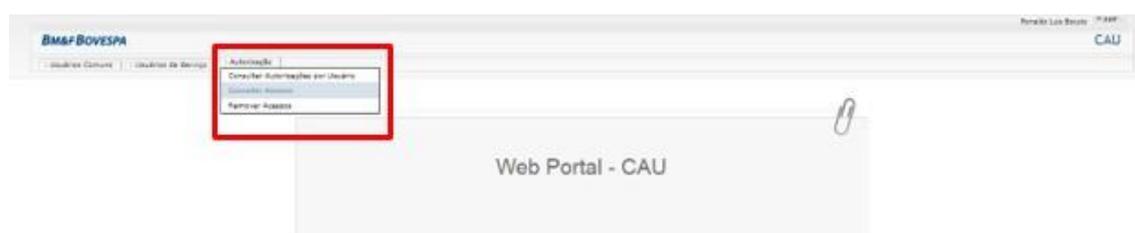


Figure 3 – Authorization tab

Type the login of the user who will have access granted and click on “consulta” (*consult*):

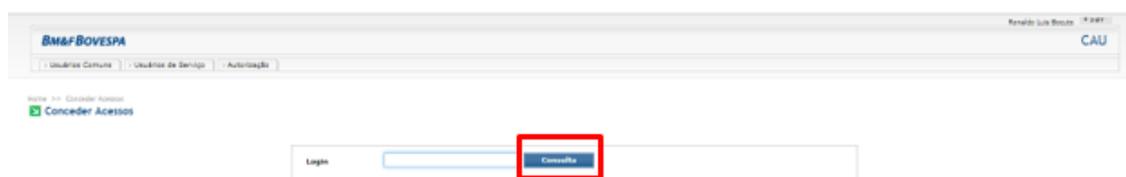


Figure 4 – Consult users

When clicking on the following icon (Figure 5), the UAC system will exhibit the available authorizations for granting to the user:

4.2 Granting of access to non-participants

B3 will e-mail a specific DATAWISE password to non-participants.

After its first access, the user must change this password in order to access the webportal.

5 DATAWISE ACCESS

Access to the DATAWISE webportal will occur through the following website:
<https://datawise.b3.com.br/>.

Enter the username and password at the login screen (Figure 8):

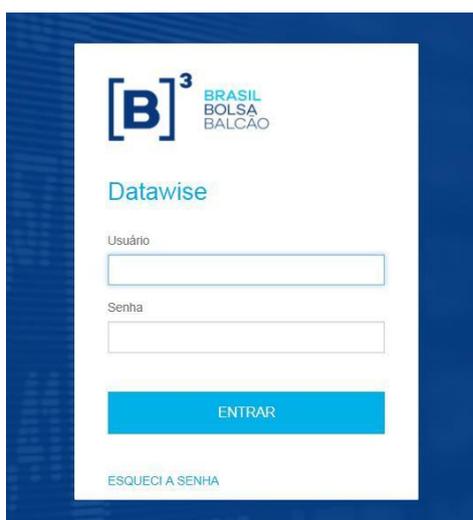


Figure 8 – Login DATAWISE webportal

Participants must enter a login and password of UAC authenticated systems. Non-participants must enter a login and password sent by B3, and the password must be changed upon the first access.

6 DATAWISE WEBPORTAL

Projects with the contracted dashboards will be provided on the initial page, separated by subject (Figure 9):



Figure 9 – DATAWISE initial page

Upon accessing the selected project the user will view the dashboards.

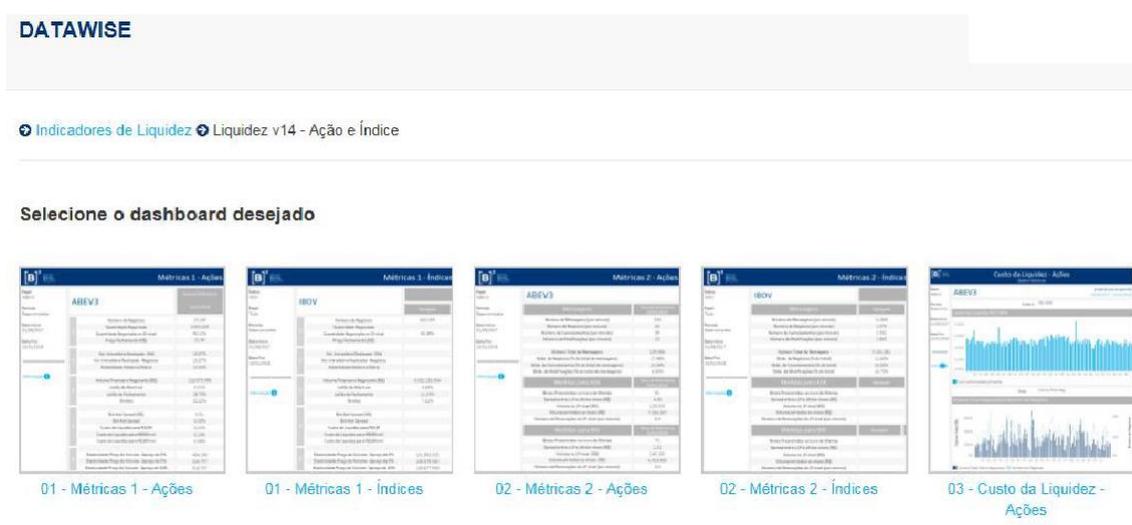


Figure 10 – List of dashboards

Each dashboard contains the necessary data and descriptions, which can be viewed by moving the cursor (Figures 11 and 12):

Métrica	Data de Referência	Estatísticas do período		
		Mediana	Mínimo	Máximo
Número de Negócios	22/01/2018	22.185	10.616	45.017
Quantidade Negociada	22/01/2018	12.235.200	4.165.300	32.801.000
Quantidade Negociada no 1º nível	22/01/2018	94,98%	74,01%	98,57%
Preço Fechamento (R\$)	22/01/2018	20,91	19,25	22,03
Vol. Intradiaária Realizada - Mid	22/01/2018	21,86%	7,19%	54,41%
Vol. Intradiaária Realizada - Negócios	22/01/2018	22,23%	6,39%	55,15%
Volatilidade Histórica Diária	22/01/2018	16,69%	10,27%	18,49%
Volume Financeiro Negociado (R\$)	22/01/2018	257.753.209	82.592.948	707.733.400
Leilão de Abertura	22/01/2018	0,05%	0,00%	1,14%
Leilão de Fechamento	22/01/2018	10,47%	0,00%	53,65%
Diretos	22/01/2018	15,96%	0,00%	57,30%

Figure 11 – Description of fields 1

▶ Número de Negócios: Quantidade de vezes que o instrumento foi transacionado.
 ▶ Quantidade Negociada: Quantidade total de ações ou contratos negociados.
 ▶ Quantidade Negociada no 1º nível (%): Quantidade de ações ou contratos negociados no melhor preço de compra ou no melhor preço de venda disponíveis no livro de ofertas, como um percentual da quantidade total de ações ou contratos negociados.
 ▶ Preço Fechamento (R\$):

Figure 12 – Description of fields 2

The dashboards will display data using the full base by default by. To define a specific period use the filter bar to the left, selecting “Período” – “Seleção de Datas” (*Period – Select Dates*), then select the start and end dates to change the dashboard’s layout.



Figure 13 – Selection of dates

The “Informação” (*information*) icon will give details of the selected date options:



Figure 14 – Information about dates

It is also possible to visualize the dashboards in full screen by clicking on the “Tela Cheia” (*full screen*) button on the lower right hand side of the screen.

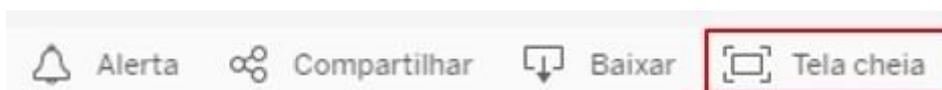


Figure 15 – Full screen display

Similarly, the tool allows dashboards to be downloaded in PDF or as an image. The data options at the cross reference table or work file options of Tableau are deactivated.

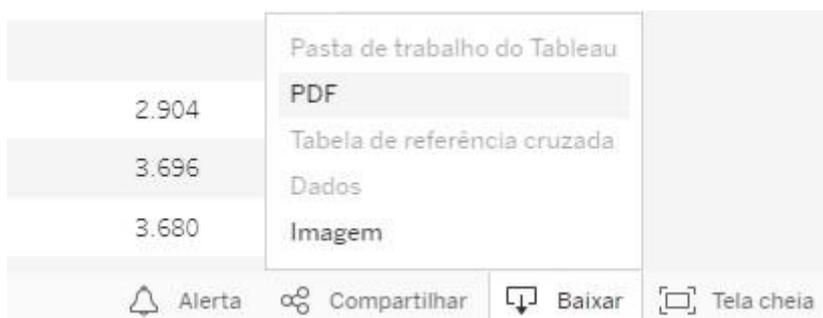


Figure 16 – Generate PDF of the dashboards

The “compartilhar” (*share*) icon allows links to be generated for visualizing the same dashboard only for users who have access to DATAWISE. It is impossible for users without access to visualize the dashboard.



Figure 17 – Sharing the dashboard link

The platform has a shortcut toolbar that allows the acquired projects to be accessed at any file or dashboard. Users who do not wish this shortcut toolbar to be shown should select the icon shown in the figure to minimize the toolbar. Selection of the B3 icon will redirect to the DATAWISE initial page.

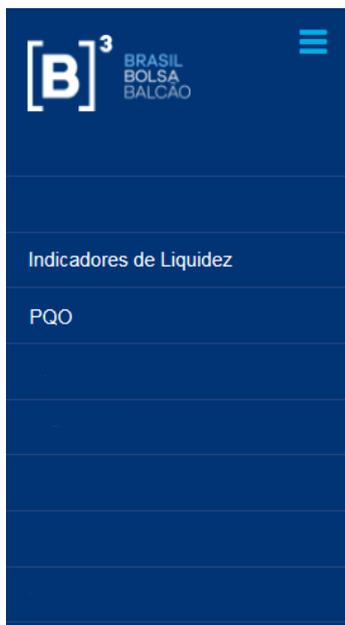


Figure 18 – Shortcut toolbar

For further information or clarification, please contact us by telephone on +55 11 2565-7907 or by email at datawise@b3.com.br.



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