

OFS – OPC Factory Server

Exemplo de comunicação Modbus entre o OPC Factory Server (OFS) e Twido.

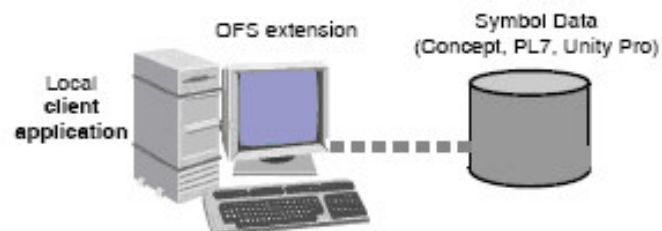
Arquitetura



Chave Posição n.º 2 (TER-DIRECT)



TSX PCX 1031



Twido

Modelo de CPU	Número e tipo de Entradas	Número e tipo de Saídas	Memória de programa/ bits internos	Contadores rápidos	Expansões de E/S (1)	Referências
Twido Compacto	24 E 24 V, PNP/NPN	14 S relé, 2A + 2 S transistor, 0,3A, PNP	32kB/256	2x20 kHz	7 (3)	TWDLCAE40DRF

Alimentação ~ 100...240 V

conexão por bomeira

fixa por parafuso

OPC Factory Server

References

OFS V3.3 software for PC compatible stations (minimum configuration: Pentium 566 MHz processor, 128 MB RAM) running Windows 2000 Professional (1) or Windows XP Professional.

The OFS V3.3 offer comprises:

- OPC server software
- OPC server simulator (for debugging the application when no PLC is present)
- OFS server configuration software
- An example of OPC client for setting-up applications
- The set up documentation on CD-ROM

Supplied on CD-ROM, the software operates independently on a PC. It interfaces with the variables export files generated by PL7, ProWORX, Concept and Unity Pro software.

It also provides a direct and dynamic link to the Unity Pro and Concept applications (2).

OPC Factory Server V3.3 Small

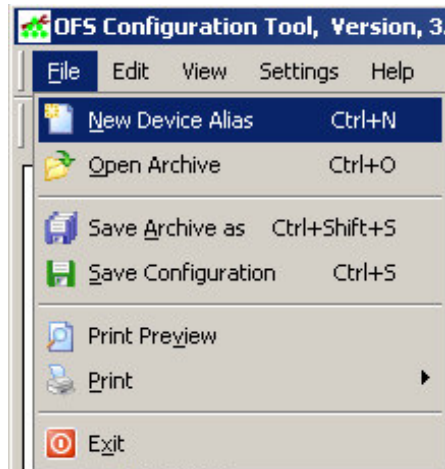
Description	Type of license	Reference	Weight kg
OPC Factory Server V3.3 Small software	Single station	TLX CD SUOFS 33	—
	10 stations	TLX CD STOFS 33	—

OPC Factory Server V3.3 Large

Description	Type of license	Reference	Weight kg
OPC Factory Server V3.3 Large	Single station	TLX CD LUOFS 33	—
	10 stations	TLX CD LTOFS 33	—
Full version	200 stations	TLX CD LFOFS 33	—

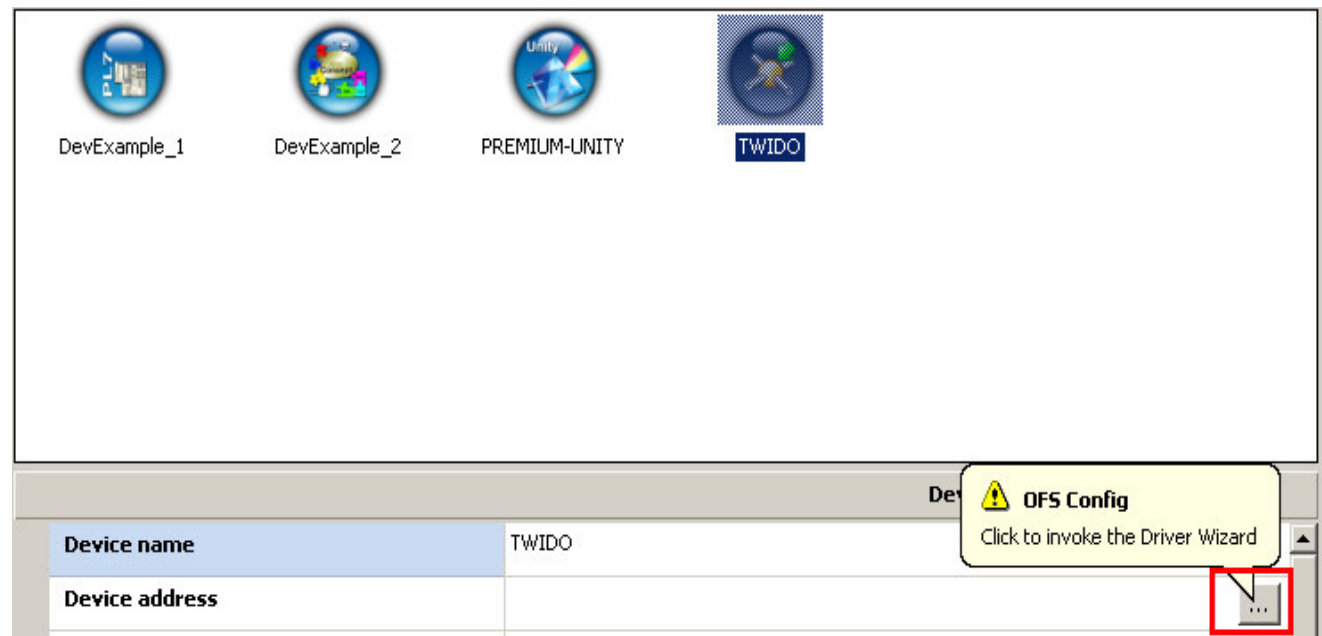
OFS

- OFS Configuration Tool:



File → New Device Alias : Criar conexão com o Twido.

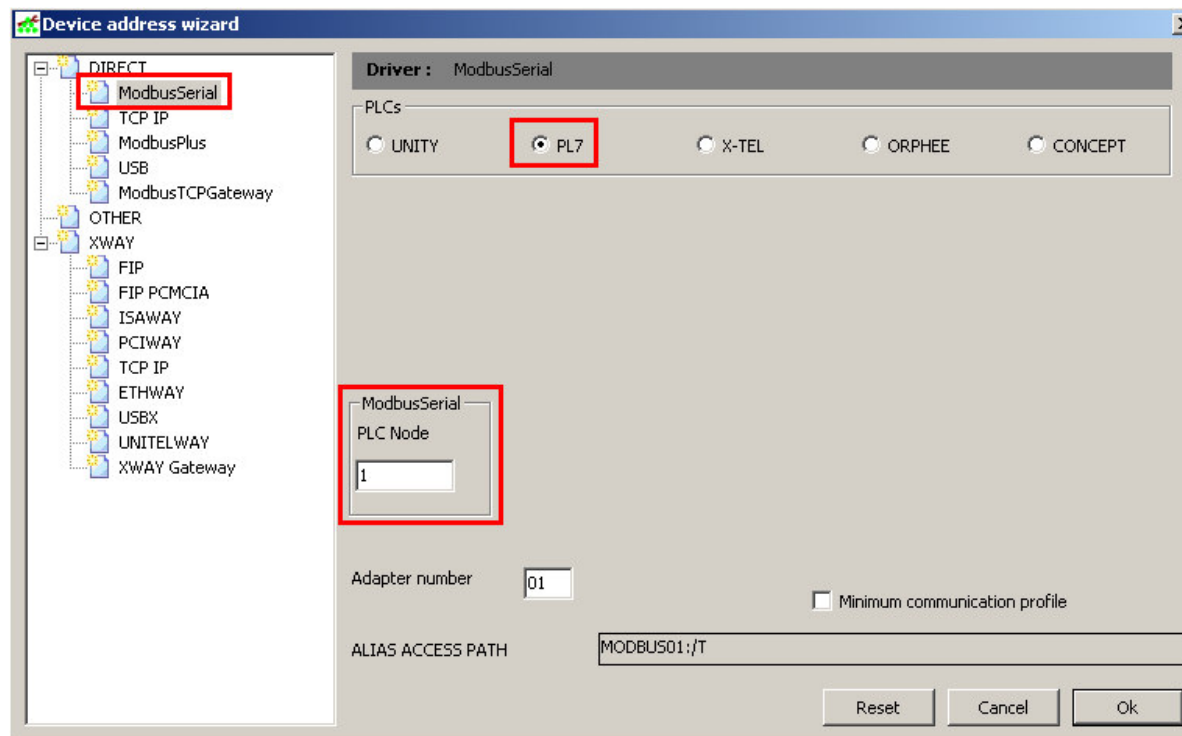
Após criar uma conexão, em Device Address configura-se o protocolo de comunicação e o endereçamento.



OFS

- OFS Configuration Tool:

Escolha pelo protocolo Modbus Serial, tipo de comunicação PL7 (padrão seguido também pelos controladores Modicon TSX Micro e TSX Premium).

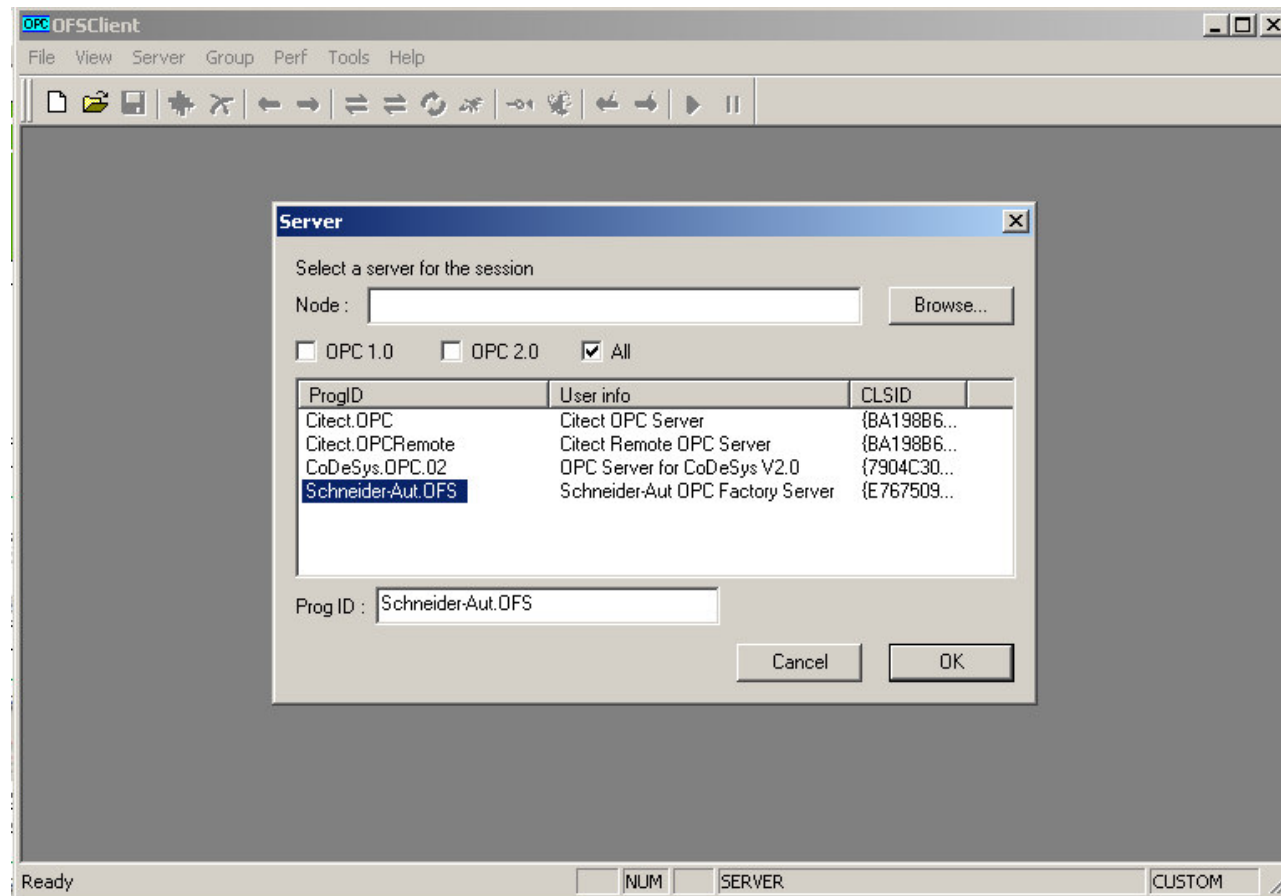


Em função de utilizar o cabo de programação na porta terminal Modbus (RS-485) para este teste, o endereço padrão da porta de comunicação é 1.

OFS

- OFS Client:

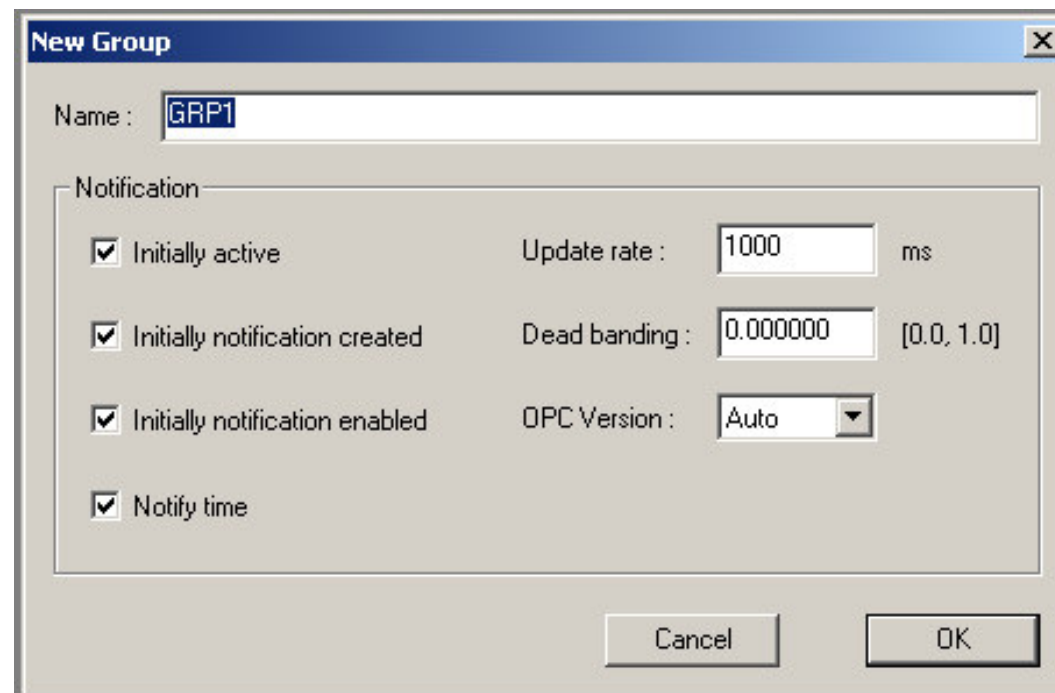
O servidor OPC que contempla os drivers de comunicação é: Schneider-Aut.OFS



OFS

- OFS Client:

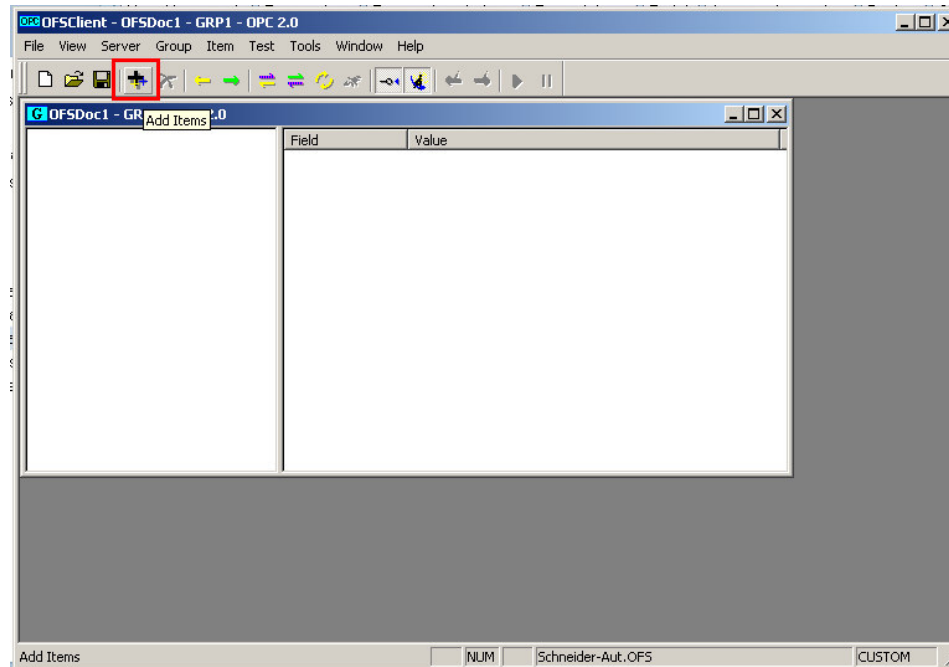
Cria-se um grupo que posteriormente estará associado à conexão criada anteriormente no OFS Configuration Tool, onde serão mapeadas as variáveis do Twido:



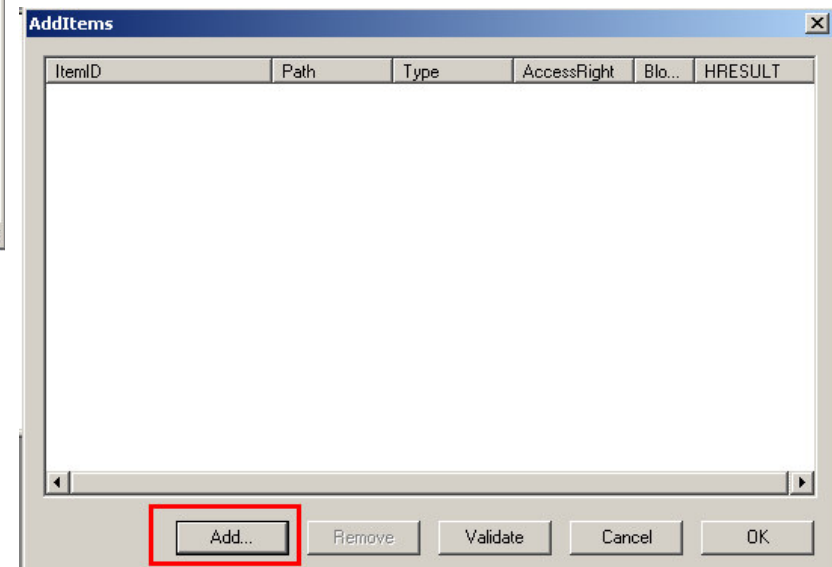
OFS

- OFS Client:

Add Items → Declaração das tag's:



Add → Adiciona tag's:



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- OFS Client:

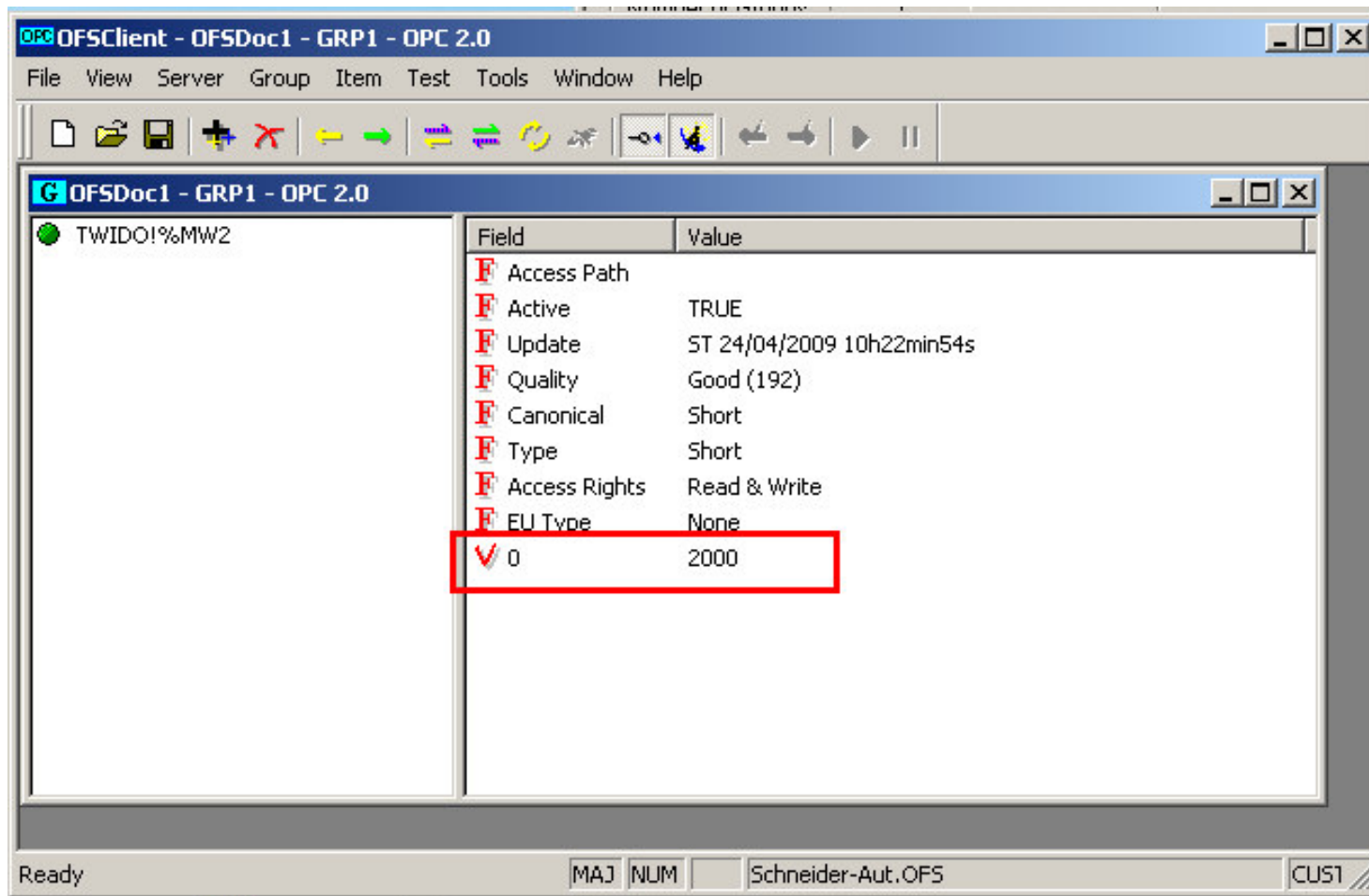
O endereçamento em ItemID é dado por: **NOME DA CONEXÃO!%MWx**

The screenshot shows the 'AddItem' dialog box. At the top, there's an 'Access Path' field. Below it, the 'Item ID' field is highlighted with a red box and contains the text 'TWIDO!%MW2'. To the right of the 'Item ID' field is a 'Filter' field with an asterisk and a 'Refresh' button. Below the 'Item ID' field is a tree view showing a folder structure. The folder 'TWIDO' is selected and highlighted with a red box. To the right of the tree view is a 'Name' field. Below the tree view is a 'Datatype Filter' section with radio buttons for 'Free', 'Char', 'Uns Char', 'Float', 'Boolean', 'Short', 'Uns Short', 'Double', 'String', 'Long', and 'Uns Long'. Below the 'Datatype Filter' section is an 'Item Creation' section with a checked 'Initially Active' checkbox and a 'Requested Type' dropdown menu set to 'Free'. To the right of the 'Item Creation' section is an 'Access Rights' section with checkboxes for 'Readable' and 'Writable'. To the right of the 'Access Rights' section is a 'Specific' section with checkboxes for 'Comment' and 'Address'. To the right of the 'Specific' section is a 'Concept / UnityPro' section with radio buttons for 'Unlocated Only', 'Both', 'Simple Only', 'Struct Only', and 'Simple & Struct'. At the bottom of the dialog are 'Add', 'Cancel', and 'OK' buttons.

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- OFS Client:

Monitoramento da conexão:



Twido

- Animation Tables – TwidoSuite:

