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Article

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[Open Exchange](#)

## SEA BATTLE on EXCEL

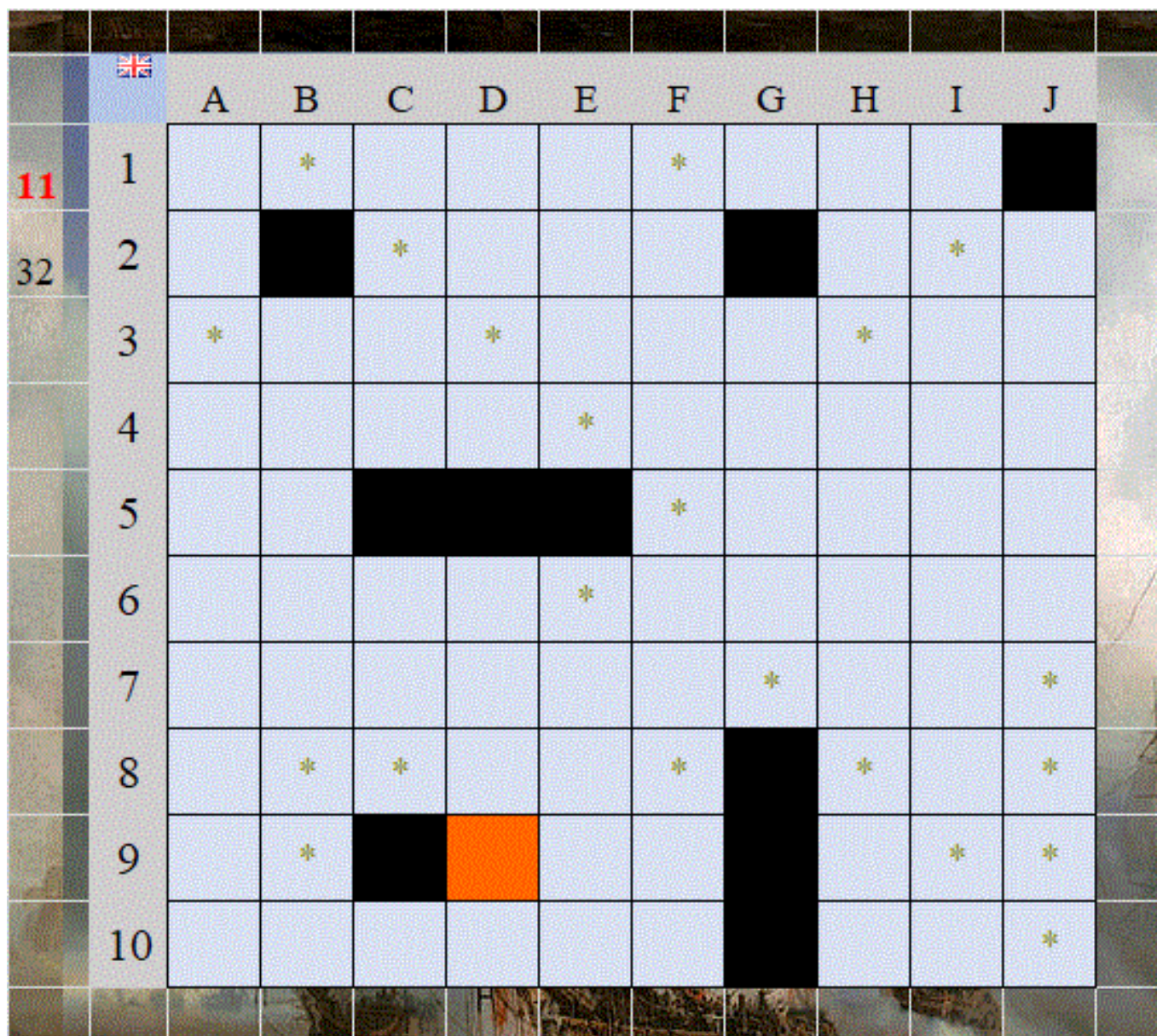
The client part of the code for this game is on the MS Excel sheet and consists of:

1. m-commands for random arranging ships on the playing field (21 cells)
2. m-command to enable on-click m-trigger on all 100 cells of the playing field (1), red font
3. m-trigger (1), red font

The server part of the code (vmx.ro) is installed on , it not change depending on the task, is the same for IRIS, CACHE, 16, 8-bit encoding, any applications, games, reports. The server side creates and maintains ' virtual excel ' in M.

SEA BATTLE can be tested without your mx-server, just download [MX](#) and unzip to any folder on comp with MS Excel, then run mx-sea-battle.xlsb, press big top button (51).

The empty square of 10 by 10 cells will appear. Ship will unhide on click, the last section will red. For restart press " R " .



You can install mx-server IRIS (tested for Ubuntu 18.04.4 LTS) :

unzip [MX](#) to any folder /path/to/mymx, then :

```
$ docker run --name myiris -p 5264:5264 -v /path/to/mymx:/mx -d store/intersystems/iris-community:2020.1.0.202.0
```

```
$ docker exec -it myiris iris session iris
```

```
USER>do $System.OBJ.ImportDir( " /mx " , " vmx.ro " , " ck " ,1)
```

```
USER> do ^ZSTU
```

On clients side (any comp with Windows & MS Excel) :

1. unzip [MX](#) to any folder
2. open mxconfi.xlsm, see sheet ' mx-sea-battle ' , row 59



3. change ' localhost ' in row 59 to IP4-address of mx-server (example : 192.168.1.106)
4. save this workbook

Run mx-sea-battle.xlsb, then press button 59 to connect with IRIS.



To see what is hidden under bonnet on the client side, just click ' design ' icon on the top panel.

Under Windows, mx-server and mx-client can be the same comp, row 59 as is.

Best wishes

Alex

[#ObjectScript](#) [#Caché](#) [#InterSystems](#) [IRIS](#)

[Check the related application on InterSystems Open Exchange](#)

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Source URL: <https://community.intersystems.com/post/sea-battle-excel>