

# **MicroBBS**

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<b>COLLABORATORS</b>
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	<i>TITLE :</i> MicroBBS		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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## Chapter 1

# MicroBBS

### 1.1 MicroBBS

MicroBBS V1.1

BBS-System for Amiga

Description  
Copyright  
Disclaimer  
Installation  
Configuration  
Registration  
Thanks too...  
History  
Bugs  
Contact

### 1.2 Description

The MicroBBS is a new, fully configurable BBS.

It is extremely small, but still very powerful. Most functions are implemented out of the dust by external scripts and the builtin configuration capabilities. Setting up the BBS is more like an easy way of programming than of common configuration. This brings a maximum of flexibility to the sysop.

Additionally, there are no user-levels or accountings - these things are useless nowadays, where there are more BBSs than users. But it shouldn't be too difficult to add this with scripts, if you really need it.

With MicroBBS you can easily implement everything between a full featured BBS and a small human-user-frontend for your mailer.

---

## 1.3 Copyright

MicroBBS is Shareware © Copyright1996 by Peter Stegemann.

If you like and use this programm, you have to register!

AND NEVER FORGET: Supporting the public domain is supporting yourself. The authors of pd are spending loads of time on their work, so honor it by supporting it.

All Rights Reserved.

Kickstart 2.04 and Workbench 2.0 are Copyright 1985-1992  
by Commodore-Amiga, Inc.

metaXPR.library is Copyright 1991-92 by Olaf Barthel.

## 1.4 Disclaimer

This software package is freely distributable, as long as no files are modified or removed from the archive. It's not allowed to raise any money for it's spreading and copying, any distribution trough companies is illegal! The distribution trough the AmiNet-, Meeting Pearls- and the Fred-FishCDs and via BBS-systems (if no money for the access is raised) is allowed.

This software and information is provided "as is". No representations or warranties are made with respect to the accuracy, reliability, performance, currentness, or operation of this software and information, and all use is at your own risk. The author doesn't assume any responsibility or liability whatsoever with respect to your use of this software and information.

## 1.5 Installation

Installation shouldn't be to difficult.

- 1) Unpack the hole archive to wherever you like.
- 2) Move the files from the following directories where they belong or use Assign ADD to "merge" the directories to the matching system-directories:

MicroBBS/L	L:
MicroBBS/Libs	LIBS:
MicroBBS/C	C:
MicroBBS/Devs	DEVS:
MicroBBS/Locale	LOCALE:

- 3) Assign BBS: to the "MicroBBS"-directory.
  - 4) Add the scripts "BBS:Commands/Maintenance" to your daily maintenance.  
Edit & run BBS:Commands/MakeCD0Index
  - 5) Configure your Mailer to start MicroBBS either direct or via the "StartBBS"-script:
-

```
CLI-Args: StartBBS DEVICE,UNIT,BAUD,NODE,CONNECT,DUMMY
          or: MicroBBS D=DEVICE,U=UNIT/N,B=BAUD/N,N=NODE/N,L=LOCAL/S,
                  C=CONNECT,O=CONFIG:
```

The NODE-option requires the keyfile, which means that you can run MicroBBS only once at a time if you're not registered.

Example for GMS: `BBSCCommand="Mail:Scripts/StartBBS %s %u %b %m %C"`

6) Change the BBS-configuration.

## 1.6 Configuration

Setting up MicroBBS is a little bit like programming, but in a very simplified way. The "syntax" is very strict and easy to understand, just refer to the example configuration to find out how the syntax looks like.

There are two main types of configuration-entries. The first ones are simply options to define the screen, the console and similar things:

General options

Chatter  
Configs  
Console  
Screen

Only some of these options allow the special %-commands to be used. Refer to theirs documentation.

The others are more difficult. Generally speaking, they are all defining different types of commands. These commands can use other commands, either internal or by config defined ones. Be careful to not create loops! If a used command is not defined in the config, the bbs interprets it as a text-file and tries to type it to the output.

Internal commands

Batches      - Lists of commands.  
Externals    - External commands.  
Spawn        - External commands with in-/output-redirection.  
Menus        - Menu-definition.  
Texts        - Text-files to use for output.

All of these options allow the special %-commands to be used.

All options may be defined multiple times, if an option is "single lined" ( e.g. Log or a user-defined command like: `xyz.txt "Foo-Bar"` ) the old one is simply replaced, if the option is "multi lined" ( e.g. Menus or Screen) the new options are added.

It's no problem to create multiple blocks of e.g. Menus or Texts. They are automagically merged together.

---

## 1.7 Registration

To register MicroBBS, simply send me 30.- DM, fill out and send me (either per email or snailmail) the following form and I will send you a keyfile back. For either snail- or crashmail add 5.- for "shipping".

Name: .....  
Street: .....  
Country: .....  
State: .....  
  
Voice: .....  
Data: .....  
  
EMail: .....  
  
Send as      Crash []      Snail []      EMail []

## 1.8 Thanks to...

I'd like to thank Ingo Juergensmann for forcing me to develop this BBS to something usable, for his late-night-bug-report-calls and for thousand other things not mentioned here...

Additional thanks:

Olaf Barthel      -      for his fine metaxpr.library.  
Martin Neumann   -      for beta-testing...

## 1.9 History

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MicroBBS

---

Write good code. Test it. Then make it great.

- RCRM Libraries p. 922

Several private releases...

---

V 1.1 - private

---

- removed options:

- SysopColor
- UserColor
- Watch ( Config & Commandline!)

- added options:

---

```
- ( Console
    ( Left <Number> )
    ( Top <Number> )
    ( Width <Number> )
    ( Height <Number> )
    ( PubScreen <Name> ) (with auto-fallback)
    ( Font <Name> )
    ( FontSize <Number> )
)
```

only with key!

```
- ( Screen
    ( Width <Number> )
    ( Height <Number> )
    ( Depth <Number> )
    ( Name <Name> )
    ( DisplayID <Number> ) (no hex value!)
)
```

only with key!

```
- ( Chatter
    ( SerialColor <Number> )
    ( ConsoleColor <Number> )
)
```

only with key!

```
- ( Prompt <String> )

set's the BBS-prompt

default: "[1A?[1E%H:%M:%S> "

only with key!
```

- added command:

```
- ( Echo <String> )

Hint: ( Echo "[0;0H?[J" ) == ClearScreen...
```

- changed command:

```
- WaitReturn will NOT type WaitReturn.txt anymore!
  Use a batch like this from now on:
```

```
( WaitReturn.bat
  ( WaitReturn.txt )
  ( WaitReturn )
)
```

or better:

---



```
( WaitReturn.bat
  ( Echo "[1E?[35C?[1;33m< ?[35mReturn ?[33m>?[0m" )
  ( WaitReturn )
)
```

- the Text-function tries to execute WaitReturn.bat when typing texts which are longer than the users maxlines. ↵
- using console.device instead of CON:
  - no waste of cpu-time anymore
  - should loose less or no chars anymore
- done major rework on the spawnmode:
  - should be faster now
  - supports RAW & CON
- removed this stupid "make the config lowercase" behaviour
- added LOADS of percent commands, all time related:
  - %a short name of the weekday
  - %A full
  - %b short name of the month
  - %B full
  - %c local displaymethod of date and time
  - %d day of the month (01-31)
  - %H hour (00-23)
  - %I hour (01-12)
  - %j day of the year (001-366)
  - %m month (01-12)
  - %M minute (00-59)
  - %p local equivalent of AM or PM
  - %S second (00-61)
  - %U week of the year (sunday is first weekday) (00-53)
  - %w weekday (0-6)
  - %W week of the year (monday is first weekday) (00-53)
  - %x local displaymethod of the date
  - %X local displaymethod of the time
  - %y year without century (00-99)
  - %Y year including century
  - %Z name of the time-zone
- problems left:
  - cursorkeys don't work correct
  - no PASTE to console window
- soon:
  - correct ansi-colors
  - PASTE
  - cursorkeys

-----  
V 1.11 - private

---

- 
- fixed a really stupid BUG which gurred the download
  - fixed ansi-colors
  - replaced option

```

- ( Screen
    ( DisplayID <Number> ) (no hex value!)
  )

```

with

```

- ( Screen
    ( Mode <ModeName> ) (e.g. PICASSO:800x600x256 )
  )

```

---

V 1.12 - private

---

- crippled some functions

Function name	functionality without key
- Upload	none
- GetLines	single line only
- Configs	none
- Console	uses default settings
- Screen	none
- Chatter	uses default settings
- Node (CLI-Arg)	defaults to 0

- changed option:

```

( Menu
  ( Before
    <Command>
    <Command>
    <Command>
  )
)

```

The Before-option will no more be executed after performing a menu-option. Use the after-option instead. To get the same functionality as before, add an After-option with the same command as the Before-option to every menu.

- added option:

```

( Menu
  ( After
    <Command>
    <Command>
    <Command>
  )
)

```

---

)

- moved location of FLG to BBS:Commands/FLG/

---

V 1.13 - private

---

- fixed:  
    some zero-page trashing during startup.  
    enforcer-hit in config-building and config-scanning.

---

V 1.14 - private

---

- fixed:  
    trouble with upload-function.

---

V 1.15 - public

---

- fixed:  
    improved handler. Remote-Shell works now.

- removed:  
    WriteMessage

## 1.10 Bugs

- there seems to be a problem with the duart.device...  
- spawn-mode is not yet perfect...

## 1.11 Contact

For suggestions, bugreports, registration contact me under:

SnailMail: Peter Stegemann  
            Unter Stad 56  
            79353 Bahlingen

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        Postbank Karlsruhe  
        660 100 75

Fidonet: 2:2476/775.0@fidonet.org  
Amiganet: 39:173/101.0@amiganet.ftn  
Usenet: pst@cocoon.infra.de  
Voice: +49(0) 7723-91023  
Data: +49(0) 7723-91025 (ZyX16k8 & X.75/V.110)

## 1.12 General configuration options

---

#### Log:

This is the name of the logfile where to log callers, errors, etc.

```
( Log          "BBS:MicroBBS_%Node.log" )
```

This option allows the special %-commands to be used.

#### StartCommand:

This is the first command to start on startup of the BBS. If this is not specified, MicroBBS tries to start "main.menu".

```
( StartCommand "Logon.bat" )
```

#### Prompt:

This is a string which is used as prompt, asking the user for input.

```
( Prompt      "?[1A?[1E%H:%M:%S> " )
```

This option allows the special %-commands to be used.  
This option requires the keyfile.

### 1.13 Chatter configuration

Here you can specify the colors to use for the chatter.

```
( Chatter
  ( SerialColor  33 )
  ( ConsoleColor 32 )
)
```

This option requires the keyfile.

### 1.14 Configs configuration

With this option you can add multiple additional configs. This option only works in the main-configuration-file.

```
( Configs
  ( BBS:MicroBBS.cfg.lager )
)
```

This option allows the special %-commands to be used.  
This option requires the keyfile.

### 1.15 Console configuration

---

This describes the size of the console, the used font and the pubscreen to open the console on.

```
( Console
  ( Font      "IBM.font" )
  ( FontSize  8 )

  ( PubScreen "MicroBBS" )
  ( Left     440 )
  ( Top      500 )
  ( Width    800 )
  ( Height   500 )
)
```

The option "PubScreen" allows the special %-commands to be used.

These options require the keyfile.

## 1.16 Screen configuration

This describes the size of the screen, the used displaymode and the name of the pubscreen to open. If the screen already exists, it will not be opened.

Hint: The console will only use this screen if the specified name and the Console-Pubscreen-entry are the same.

```
( Screen
  ( Width  800 )
  ( Height 600 )
  ( Depth  8 )
  ( Mode    "PICASSO: 8Bit 800 * 600" )

  ( Name "MicroBBS" )
)
```

The option "Name" allows the special %-commands to be used.

These options require the keyfile.

## 1.17 Internal functions

These are the internal predefined commands.

BatchDownload - Sends multiple files listed in the file given as argument.

```
( BatchDownload "T:FullFileList.%Node" )
```

Upload - Recieves one file by zmodem-transfer and puts it to BBS:T.

ChangeMaxlines - Ask the user for a new maximum number of lines to be displayed.

ChangePassword - Ask the user to change his password.

GetLine - Reads one line from the user and writes it to the specified file.

```
( GetLine "ENV:MSGTO%Node" )
```

GetLines - Reads several lines from the user until he presses return and writes them to the specified file.

Without keyfile this function reads only one line!

```
( GetLines "T:FileList.%Node" )
```

LogOn - Starts the logon-sequence with password-check.

LogOff - Quits the whole bbs.

Chat - Starts the internal chat-module.

Echo - Simply puts the given line out.

```
( Echo "[1;1H?[J" )
```

WaitReturn - Waits for the user to press return.

## 1.18 Batch configuration

With batches you can define a list of commands, internal and defined ones ( which includes batches themselves), to be executed after each other. Be careful, it's easy to create infinite loops by starting a batch from itself...

```
( Batches
  ( Logoff.bat
    ( Logoff.Goodbye.txt )
    ( AfterSession.ext )
    ( Logoff )
  )
)
```

## 1.19 Externals configuration

Here you can specify several external commands. They are executed synchronus, in-/output will not be redirected. Use "C:Run" for asynchronus operation.

```
( Externals
  ( SetWho.ext "C:Echo " %Node %User ist online." TO ↵
    T:Who.%Node" )
)
```

## 1.20 Spawn configuration

Here you can specify several spawned external commands. They are executed synchronus, in-/output will be redirected. Do NOT use "C:Run" for asynchronus operation! Asynchronus operation is NOT possible with Spawns, use Externals for this.

```
( Spawns
  ( SearchFullNames.spw      "BBS:Commands/SearchFullNames %Node "%User ↵
    " " )
)
```

## 1.21 Menu configuration

This is the most important feature of MicroBBS.

"Password" asks for a password before entering the menu. If the password is wrong, acces is denied.

"Before" is executed before the Menu is entered.

"After" is executed after every selection.

"Options" defines the hotkey and the corresponding action. You can specify multiple action like in the Batch configuration.

The "-" is automatically defined as the hotkey to leave the menu. To avoid usage of the "-" in e.g. the main menu (which has no parent) simply add the "-" as option without action.

```
( Menus
  ( Statistiken.menu
    ( Password "xyz" )
    ( Before Menu.Stats.txt )
    ( After Menu.Stats.txt )
    ( Options
      ( I
        ( Stats.SystemInfo.txt )
        ( WaitReturn.bat )
      )
      ( U Stats.Userlist.bat )
      ( L Stats.LastUsers.bat )
      ( R Stats.ReBoots.bat )
      ( W Stats.Who.bat )
      ( - )
    )
  )
)
```

## 1.22 Text configuration

Here you can define textfiles to be typed during action.

```
( Texts
```

---

```
( Transfer.Upload.txt      "BBS:Texte/Transfer.Upload.txt" )
)
```

## 1.23 % commands

These are the percent-commands you can use in many functions:

```
- %%                %
- %Node            line-number of the BBS.
- %Baud            baudrate
- %User            username
- %Connect          connect-string
- %Calls            number of calls from user
- %Files            number of leeched files from user
- %AllCalls         number of total calls
- %AllFiles         number of total leeched files
-
- %a short name of the weekday
- %A full
- %b short name of the month
- %B full
- %c local displaymethod of date and time
- %d day of the month (01-31)
- %H hour (00-23)
- %I hour (01-12)
- %j day of the year (001-366)
- %m month (01-12)
- %M minute (00-59)
- %p local equivalent of AM or PM
- %S second (00-61)
- %U week of the year (sunday is first weekday) (00-53)
- %w weekday (0-6)
- %W week of the year (monday is first weekday) (00-53)
- %x local displaymethod of the date
- %X local displaymethod of the time
- %y year without century (00-99)
- %Y year including century
- %Z name of the time-zone
```

## 1.24 Example configuration

```
( Log                "BBS:MicroBBS_%Node.log" )
( StartCommand       "Logon.bat" )
( Prompt             "?[1A?[1E%H:%M:%S> " )

( Console
  ( Font              "IBM.font" )
  ( FontSize          8 )

  ( PubScreen         "MicroBBS" )
  ( Left              440 )
  ( Top               500 )
```



```

    ( Width 800 )
    ( Height 500 )
)
( Screen
    ( Width 800 )
    ( Height 600 )
    ( Depth 8 )
    ( Mode "PICASSO: 8Bit 800 * 600" )

    ( Name "MicroBBS" )
)

( Chatter
    ( SerialColor 33 )
    ( ConsoleColor 32 )
)

( Texts
    ( Chatter.End.txt "BBS:Texte/Chatter.End.txt" )
    ( Chatter.Start.txt "BBS:Texte/Chatter.Start.txt" )

    ( SecurityViolation.txt "BBS:Texte/SecurityViolation.txt" )
    ( SystemError.txt "BBS:Texte/SystemError.txt" )
    ( NewUser.txt "BBS:Texte/NewUser.txt" )

    ( Logon.Rules.txt "BBS:Texte/Rules.txt" )
    ( Logon.Intro.txt "BBS:Texte/Intro.txt" )
    ( Logon.Logon.txt "BBS:Texte/Login.txt" )
    ( Logon.News.txt "BBS:Texte/News.txt" )
    ( Logoff.GoodBye.txt "BBS:Texte/GoodBye.txt" )
    ( Menu.Transfer.txt "BBS:Texte/Menu.Files.txt" )
    ( Menu.Games.txt "BBS:Texte/Menu.Games.txt" )
    ( Menu.Main.txt "BBS:Texte/Menu.Main.txt" )
    ( Menu.Message.txt "BBS:Texte/Menu.Message.txt" )
    ( Menu.Prefs.txt "BBS:Texte/Menu.Prefs.txt" )
    ( Menu.Stats.txt "BBS:Texte/Menu.Stats.txt" )
    ( Message.End.txt "BBS:Texte/Message.End.txt" )
    ( Message.Start.txt "BBS:Texte/Message.Start.txt" )
    ( Message.SendTo.txt "BBS:Texte/Message.SendTo.txt" )
    ( Message.User.txt "BBS:Messages/%User" )
    ( Prefs.Lines.txt "BBS:Texte/Prefs.Lines.txt" )
    ( Stats.History.txt "BBS:Texte/Stats.History.txt" )
    ( Stats.LastUsers.txt "BBS:Texte/Stats.LastUsers.txt" )
    ( Stats.SystemInfo.txt "BBS:Texte/Stats.SystemInfo.txt" )
    ( Stats.Userlist.txt "BBS:Texte/Stats.Userlist.txt" )
    ( Transfer.SearchFiles.txt "BBS:Texte/SearchFiles.txt" )
    ( Transfer.Download.txt "BBS:Texte/Transfer.Download.txt" )
    ( Transfer.Upload.txt "BBS:Texte/Transfer.Upload.txt" )
)

( Configs
    ( BBS:MicroBBS.cfg.lager )
    ( BBS:MicroBBS.cfg.cd0 )
)

( Externals
    ( AfterSession.ext "BBS:Commands/AfterSession" )
    ( AddLastUser.ext "BBS:Commands/AddLastUser \"%User\" %Node %Connect" ↵
    )
)

```

---

```
( GenUserList.ext      "BBS:Commands/GenUserList" )
( SayLogon.ext         "C:Run REXX:RX 'Address PLAY SAY "-v28 Logon: % ←
  User !"") )
( SetWho.ext          "C:Echo "   %Node   %User ist online." TO T:Who.% ←
  Node" )
)
( Spawns
  ( ShowLogonStats.spw "BBS:Commands/ShowLoginStats %Calls %Files % ←
    AllCalls %AllFiles" )

  ( NuclearWar.spw     "BBS:Doors/StartNuclearWar "%User"" )
  ( SpaceEmpire.spw    "BBS:Doors/StartSpaceEmpire "%User"" )

  ( CheckMessages.spw  "BBS:Commands/CheckMessages "%User"" )
  ( ReadMessages.spw   "BBS:Commands/ReadMessages "%User"" )
  ( WriteMessage.spw   "BBS:Commands/WriteMessage %Node "%User"" )
  ( SearchFiles.spw    "BBS:Commands/SearchFiles %Node" )
  ( SearchFullNames.spw "BBS:Commands/SearchFullNames %Node "%User"" )
)
( Batches
  ( Logon.bat
    ( Logon.Intro.txt )
    ( WaitReturn.bat )
    ( Logon.Rules.txt )
    ( WaitReturn.bat )
    ( Logon.Logon.txt )
    ( Logon )
    ( SayLogon.ext )
    ( SetWho.ext )
    ( ShowLogonStats.spw )
    ( CheckMessages.spw )
    ( AddLastUser.ext )
    ( WaitReturn.bat )
    ( Logon.News.txt )
    ( WaitReturn.bat )
    ( Stats.LastUsers.bat )
    ( Stats.Who.bat )
    ( Main.menu )
  )
  ( Logoff.bat
    ( Logoff.Goodbye.txt )
    ( AfterSession.ext )
    ( Logoff )
  )
  ( Stats.LastUsers.bat
    ( Stats.LastUsers.txt )
    ( WaitReturn.bat )
  )
  ( Message.Write.bat
    ( Message.SendTo.txt )
    ( GetLine "ENV:MSGTO%Node" )
    ( Message.Start.txt )
    ( WriteMessage.spw )
    ( Message.End.txt )
    ( WaitReturn.bat )
  )
  ( Message.Read.bat
```

---

```
( Echo "[1;1H?[J" )
( Message.User.txt )
( ReadMessages.spw )
( WaitReturn.bat )
)
( Stats.Who.bat
  ( BBS:Texte/Stats.Who.txt )
  ( T:Who.0 )
  ( T:Who.1 )
  ( T:Who.2 )
  ( T:Who.3 )
  ( WaitReturn.bat )
)
( Stats.Userlist.bat
  ( GenUserList.ext )
  ( Stats.Userlist.txt )
  ( WaitReturn.bat )
)
( Transfer.Download.bat
  ( Transfer.Download.txt )
  ( GetLines "T:FileList.%Node" )
  ( SearchFullNames.spw )
  ( BatchDownload "T:FullFileList.%Node" )
)
( Transfer.Upload.bat
  ( Transfer.Upload.txt )
  ( Upload )
)
( Transfer.Searchfiles.bat
  ( Transfer.SearchFiles.txt )
  ( GetLines "T:FileList.%Node" )
  ( SearchFiles.spw )
  ( WaitReturn.bat )
)
( WaitReturn.bat
  ( Echo "[1E?[35C?[1;33m< ?[35mReturn ?[33m>?[0m" )
  ( WaitReturn )
)
)
( Menus
  ( Main.menu
    ( Before Menu.Main.txt )
    ( After Menu.Main.txt )
    ( Options
      ( C Chat )
      ( F Transfer.menu )
      ( G Games.menu )
      ( N Message.menu )
      ( P Prefs.menu )
      ( S Statistiken.menu )
      ( ! Logoff.bat )
      ( R Logon.bat )
      ( - )
    )
  )
  ( Transfer.menu
    ( Before Menu.Transfer.txt )
  )
)
```

---

```
( After Menu.Transfer.txt )
( Options
  ( D Transfer.Download.bat )
  ( U Transfer.Upload.bat )
  ( S Transfer.SearchFiles.bat )
  ( 0 Lager:.menu )
  ( 1 CD0:Aminet/.menu )
)
)
( Games.menu
  ( Before Menu.Games.txt )
  ( After Menu.Games.txt )
  ( Options
    ( N NuclearWar.spw )
    ( E SpaceEmpire.spw )
  )
)
( Message.menu
  ( Before Menu.Message.txt )
  ( After Menu.Message.txt )
  ( Options
    ( S Message.Write.bat )
    ( L Message.Read.bat )
    ( U Stats.Userlist.bat )
  )
)
( Prefs.menu
  ( Before Menu.Prefs.txt )
  ( After Menu.Prefs.txt )
  ( Options
    ( Z
      ( Prefs.Lines.txt )
      ( ChangeMaxLines )
    )
    ( P ChangePassword )
  )
)
( Statistiken.menu
  ( Before Menu.Stats.txt )
  ( After Menu.Stats.txt )
  ( Options
    ( I
      ( Stats.SystemInfo.txt )
      ( WaitReturn.bat )
    )
    ( U Stats.Userlist.bat )
    ( L Stats.LastUsers.bat )
    ( W Stats.Who.bat )
  )
)
)
```

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