
Subject: Unix for CP/M 2.1 or > on a z80
Posted by [mikec](#) on Mon, 16 Sep 2013 17:42:56 GMT
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Message-ID:
Date: Wed, 9-Jan-85 19:28:47 EST
Article-I.D.: reed.792
Posted: Wed Jan 9 19:28:47 1985
Date-Received: Sun, 13-Jan-85 07:04:34 EST
Organization: Tabr Seitch - Portland, Oregon
Lines: 19

[Some day this line will rise above poverty and strike revenge...]

Does anybody know of any types of utilities to make a z80 running CP/M 2.1 Unix-like. I'm looking for things like full i/o redirection that "overlays" over the CP/M like a shell (command interpreter) that will provide Unix features. Someone told me about one called "microshell" but I can't find reference anywhere to it.

Michael Cooper

```
{decvax, ucbvax, pur-ee, uw-beaver, masscomp, cbosg,  
mit-ems, psu-cs, uoregon, orstcs, ihnp4, uf-cgrl}!tektronix  
\  
+---!reed!mikec  
{teneron, ogcvax, muddcs, cadic, oresoft, grpwre,    /  
psu-cs, omen, isonvax, nsc-pdc}----+
```

Subject: Re: Unix for CP/M 2.1 or > on a z80
Posted by [Samuel](#) on Mon, 16 Sep 2013 17:43:03 GMT
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Message-ID:
Date: Sun, 13-Jan-85 02:09:49 EST
Article-I.D.: brl-tgr.7266
Posted: Sun Jan 13 02:09:49 1985
Date-Received: Tue, 15-Jan-85 00:52:00 EST
Sender: news@brl-tgr.ARPA
Organization: Ballistic Research Lab

Lines: 8

New Generation Systems. Reston Virginia. 703-471-5598
Or try ConlX, from Computer Helper Industries, inc. 212-652-1786

I run cp/m-3.0 and -816 OS's, so I haven't gotten either of these.
There are others, but these two come easily to mind.

-- sam hahn [samuel@score]

Subject: Re: Unix for CP/M 2.1 or > on a z80
Posted by [cem](#) on Mon, 16 Sep 2013 17:43:10 GMT
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Message-ID:

Date: Tue, 15-Jan-85 12:43:15 EST

Article-I.D.: intelca.479

Posted: Tue Jan 15 12:43:15 1985

Date-Received: Fri, 18-Jan-85 02:00:53 EST

References:

Organization: Intel, Santa Clara, Ca.

Lines: 27

I saw microshell once, and was impressed by the similarity of the user interface with UNIX's. It implemented pipes by redirecting I/O through a temporary disk file and seemed to work fairly well until you needed to change the disk with the pipe file on it. This of course wouldn't be a problem on a hard disk. If I might make a suggestion, look into the ZCPR3 package on Simtel20 or your local computer BBS. It implements a rather large part of the Unix user interface, adds TERMCAP capabilities, a nice shell package with variables and parameter substitution similar to csh and some limited flow control. (If-Then-Else) But no CASE WHILE and UNTIL. Still some pretty involved shell scripts are possible. It does not offer I/O redirection or pipes, however the company handling bug reports and distribution of a self installing version, Echelon inc., have hinted strongly that their new version of the BDOS will do just that. The best part is that if you can find a local BBS that has it you can get it FREE by just downloading it. That includes copies of a zillion utilities. It does make the CP/M user interface usable, but you will need a Z80 to take full advantage of it.

--Chuck

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- - - D I S C L A I M E R - - -

{ihnp4,fortune}!dual\ All opinions expressed herein are my
 {qantel,idi}-> !intelca!cem own and not those of my employer, my
{ucbvax,hao}!hplabs/ friends, or my avocado plant. :-}

Subject: Re: Unix for CP/M 2.1 or > on a z80
Posted by [greenber](#) on Mon, 16 Sep 2013 17:43:21 GMT
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Message-ID:
Date: Thu, 17-Jan-85 10:13:00 EST
Article-I.D.: acf4.1010001
Posted: Thu Jan 17 10:13:00 1985
Date-Received: Sun, 20-Jan-85 06:16:30 EST
References:
Organization: New York University
Lines: 10

The only problem with ZCPR (to me) is the amount of disk that you need to get all the utilities us and operational. Having a KAYPRO-II with 2 180K drives, I'd have no room left on the disk for anything after loading all the nifty ZCPR utilities.

Ross M. Greenberg @ NYU ----> { allegra,ihnp4 }!cmcl2!acf4!greenber

Subject: Re: Unix for CP/M 2.1 or > on a z80
Posted by [rconn\[1\]\[2\]](#) on Mon, 16 Sep 2013 17:43:21 GMT
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Message-ID:
Date: Fri, 18-Jan-85 06:56:38 EST
Article-I.D.: brl-tgr.7502
Posted: Fri Jan 18 06:56:38 1985
Date-Received: Mon, 21-Jan-85 01:51:18 EST

Sender: news@brl-tgr.ARPA
Organization: Ballistic Research Lab
Lines: 6

You're quite right about ZCPR3 on 180K disks. Some of the Echelon newsletters talk about this, and one gives a breakdown of the disk overhead. There is some discussion about reducing this overhead by being selective about the features; overhead can drop to as little as 60K for some applications. But if you want everything, there is a price to pay.

Subject: Re: Unix for CP/M 2.1 or > on a z80
Posted by [Randy\[1\]\[2\]\[3\]](#) on Mon, 16 Sep 2013 17:43:27 GMT
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Message-ID:
Date: Mon, 21-Jan-85 11:02:04 EST
Article-I.D.: wlcrjs.483
Posted: Mon Jan 21 11:02:04 1985
Date-Received: Tue, 22-Jan-85 05:29:39 EST
References:
Reply-To: randy@wlcrjs.UUCP (Randy Suess)
Organization: chi-net, Public Access UN*X, Chicago IL
Lines: 19
Summary:

cd /;rm -rf

A couple of years ago, I had a UN*X look-a-like running on a Z80 machine. It was basically a V6 re-do, and ran many things faster than my current networked Altii. The software was Micronix and it was from Morrow computing. It ran on their Decision I with 1/2 meg of memory and 15 meg hard disk. With a 6 mhz z80 it supported 4 users easily, and had CP/M as one of its shells! It did all the normal UN*X stuff, i/o redirection, background tasks, print spoolers, 'bout half the normal UN*X utilities. But if you typed 'WS', it would see that wordstar was a cp/m program, bring up the CP/M shell, and run WordStar. It was written by a guy named Rick something, and might still be available from Morrows. Ran about \$500.

--

If *only* I had known...
Randy Suess
Chi-Net - Public Access UN*X
(312) 545 7535 (h) (312) 283 0559 (system)

{ihnp4|ihldt}!wlcrrs!randy

Subject: Re: Unix for CP/M 2.1 or > on a z80
Posted by [michael](#) on Tue, 17 Sep 2013 18:58:20 GMT
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Message-ID:
Date: Tue, 22-Jan-85 08:48:02 EST
Article-I.D.: nvuxd.124
Posted: Tue Jan 22 08:48:02 1985
Date-Received: Wed, 23-Jan-85 07:39:50 EST
References:
Organization: Bell Communications Research
Lines: 11

I had the opportunity to use Microshell for several months a couple of years ago, and it was generally great. The only difficulty arose with programs compiled using a C compiler that incorporated code for command-line arguments and I/O redirection. Microshell and the C programs never could seem to agree on who was going to do the redirection, with the usual result that stuff went in all sorts of strange directions....

Michael Cain
Bell Communications Research, Inc.

Subject: Re: Unix for CP/M 2.1 or > on a z80
Posted by [Bicer.ES](#) on Tue, 17 Sep 2013 18:58:21 GMT
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Message-ID:
Date: Fri, 18-Jan-85 20:32:12 EST
Article-I.D.: brl-tgr.7528
Posted: Fri Jan 18 20:32:12 1985
Date-Received: Wed, 23-Jan-85 07:54:28 EST
Sender: news@brl-tgr.ARPA
Organization: Ballistic Research Lab
Lines: 5

Try MicroShell. I've had it for almost three years, and it is one of the most invaluable pieces of software I have. It works like a charm, and you'll never know that it is there (apart from ~10k less RAM).

Jack Bicer

Subject: Re: Unix for CP/M 2.1 or > on a z80
Posted by [cem](#) on Tue, 17 Sep 2013 18:58:29 GMT
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Message-ID:
Date: Fri, 25-Jan-85 11:28:54 EST
Article-I.D.: intelca.498
Posted: Fri Jan 25 11:28:54 1985
Date-Received: Sat, 26-Jan-85 07:18:21 EST
References:
Organization: Intel, Santa Clara, Ca.
Lines: 15

Another possible solution for those who insist on downgrading their CP/M systems to UNIX :-) was/is Cromemco's CROMIX. It ran on their S-100 machines with a Z-80 and 128K min of RAM. It didn't really become popular until they (Cromemco) added the Dual Processor Board [you know, the one with the icky stinky 68000] But it did have a CP/M "mode" and claimed both CP/M and CDOS compatibility. Not too slow either.

--Chuck

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{ihnp4,fortune}!dual\	All opinions expressed herein are my
{qantel,idi}-> !intelca!cem	own and not those of my employer, my
{ucbvax,hao}!hplabs/	friends, or my avocado plant. :-}