Nix and legacy enterprise software development: an unlikely match made in heaven

Maximilian (Ma27) Bosch

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Maximilian (Ma27) Bosch Nix and legacy enterprise software development

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- The colleagues in this project were rather skeptical about Nix.
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- To be migrated to a new system.
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Question

How to revive Flash in 2021?

• Build a VM with nixos-build-vms(8)

• Install a firefox from NixOS 16.09 with flash support into it.

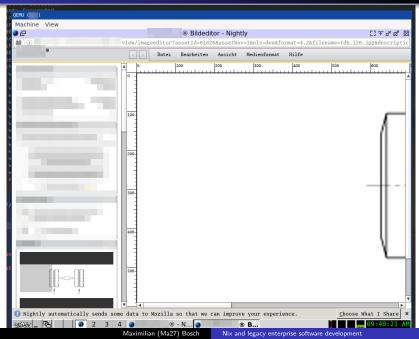
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```
{
  vm = { pkgs, ... }: {
    environment.systemPackages = [
      (import
        (builtins.fetchTarball nixos1609tarball)
        { config.firefox.enableAdobeFlash = true; }
      ).firefox
    ];
    virtualisation.memorySize = 8192;
    # config for an xserver
  };
}
```

building '...'...

trying https://fpdownload.macromedia.com/pub/flashplayer curl: (22) The requested URL returned error: 403 error: cannot download fp_11.2.202.635_archive.zip from any mirror

Here comes the magic



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• It's trivial to revive old applications because:

- We have a binary cache with the build artifacts
- We can instantiate any old Nix expression
- Let's keep it that way!
- \$Colleague was impressed by what Nix can do.

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