

## Chapter. 01

[ 비주얼코딩 ] 코딩없이 하는 데이터 분석 SAS

# 101. 설치 가이드

FAST CAMPUS  
ONLINE

직장인을 위한 데이터 분석

강사. 최윤진

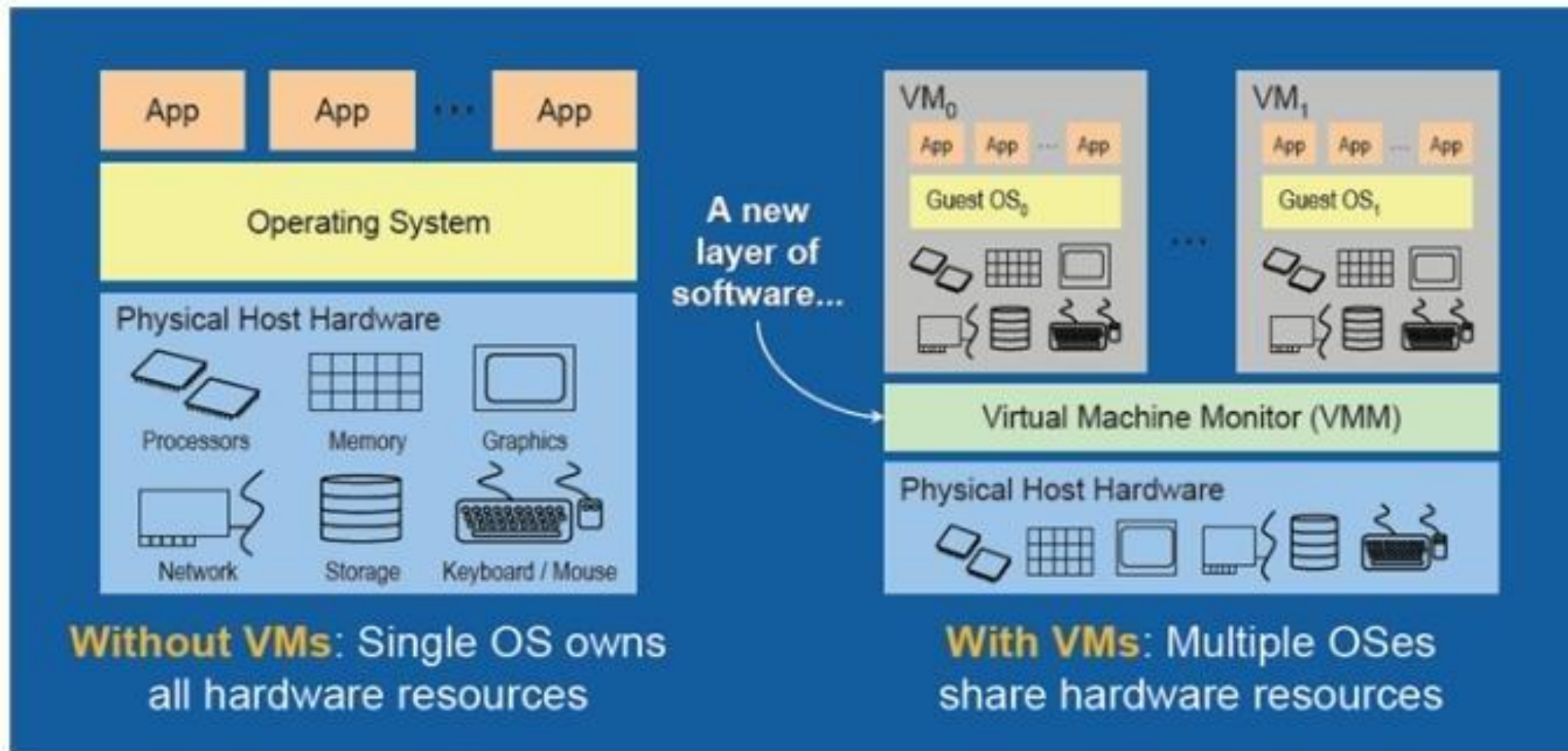
## Chapter. 06

# 코딩 없이 하는 데이터 분석 SAS 01. 설치 가이드

# I 코딩 없이 하는 데이터 분석 SAS UE란?

The screenshot displays the SAS Studio interface. On the left, the '작업 및 유틸리티' (Jobs and Utilities) pane is open, showing a tree structure under '선형 모델' (Linear Model) with various analysis options. The main workspace shows a workflow diagram with a 'REGION' data source connected to two tasks: '선형회귀' (Linear Regression) and '군집 변수' (Cluster Variable). The '선형회귀' task description is '선형회귀 작업은 선형 모델을 적합하여 하나' (The linear regression task fits a linear model to one). The '군집 변수' task description is '군집 변수 작업은 추가 군집화에 사용하고 이' (The cluster variable task is used for additional clustering and this).

# I 가상머신을 사용한 SAS UE 설치



(Source: <https://software.intel.com>)

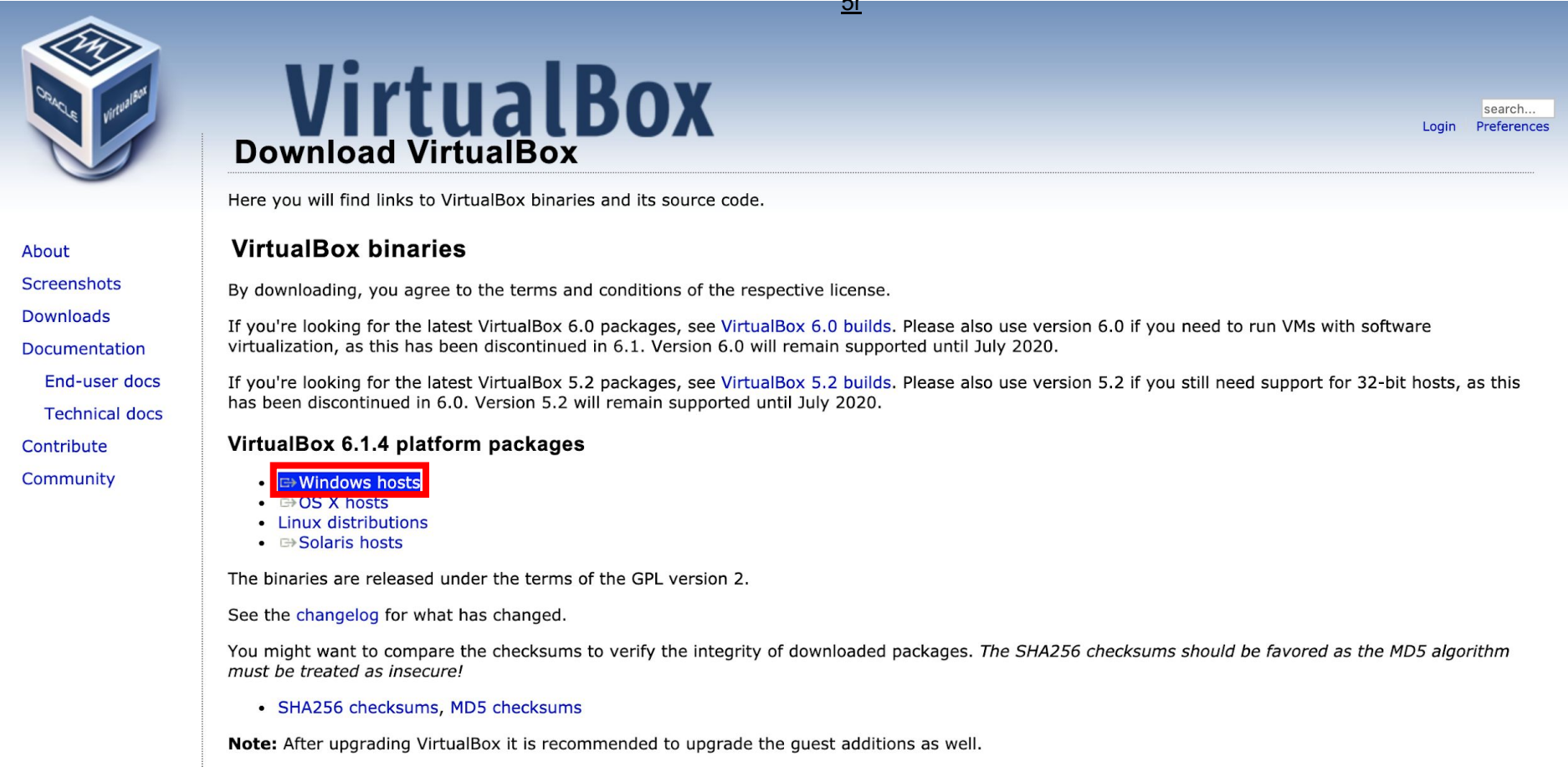
# I 가상머신 Virtual Machine 다운로드

Virtual Box 다운로드 링크에서 사용중인 OS에 맞는 패키지

다운로드  
<http://bit.ly/vc-sas-0>

[https://www.virtualbox.org/wiki/Downloads?sm\\_byp=iVVSgJ3HMfR7vg5r](https://www.virtualbox.org/wiki/Downloads?sm_byp=iVVSgJ3HMfR7vg5r)

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Here you will find links to VirtualBox binaries and its source code.

## VirtualBox binaries

By downloading, you agree to the terms and conditions of the respective license.

If you're looking for the latest VirtualBox 6.0 packages, see [VirtualBox 6.0 builds](#). Please also use version 6.0 if you need to run VMs with software virtualization, as this has been discontinued in 6.1. Version 6.0 will remain supported until July 2020.

If you're looking for the latest VirtualBox 5.2 packages, see [VirtualBox 5.2 builds](#). Please also use version 5.2 if you still need support for 32-bit hosts, as this has been discontinued in 6.0. Version 5.2 will remain supported until July 2020.

### VirtualBox 6.1.4 platform packages

- Windows hosts
- OS X hosts
- Linux distributions
- Solaris hosts

The binaries are released under the terms of the GPL version 2.

See the [changelog](#) for what has changed.

You might want to compare the checksums to verify the integrity of downloaded packages. *The SHA256 checksums should be favored as the MD5 algorithm must be treated as insecure!*

- [SHA256 checksums](#), [MD5 checksums](#)

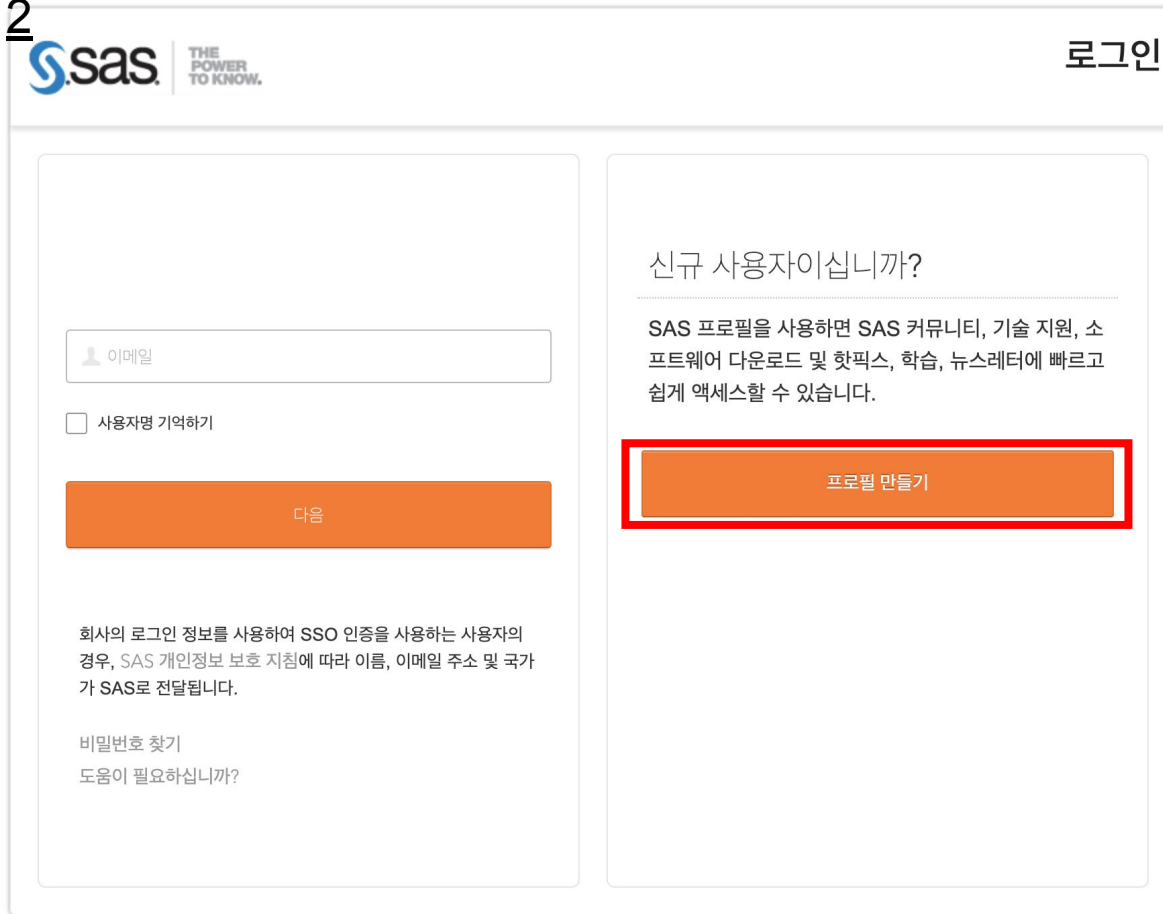
**Note:** After upgrading VirtualBox it is recommended to upgrade the guest additions as well.



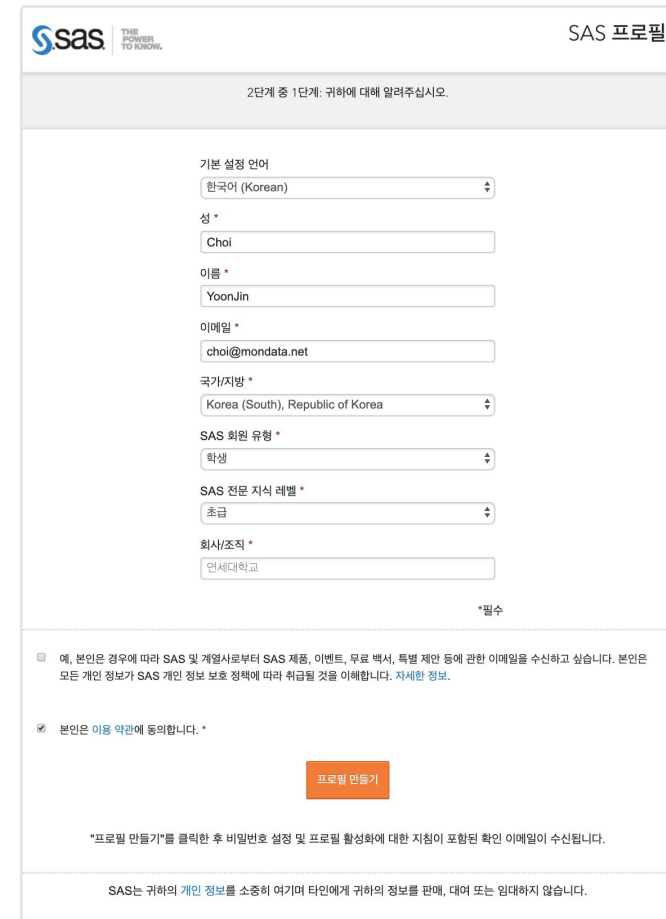
# I SAS Global 회원 가입

아래 링크 접속하여 SAS 아이디 없는 경우 “프로필 만들기”  
<http://bit.ly/vc-sas-0>

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The image shows the SAS Global login page. At the top left is the SAS logo with the tagline "THE POWER TO KNOW.". At the top right is the text "로그인". The main content area is divided into two columns. The left column has a login form with an "이메일" (Email) input field, a "사용자명 기억하기" (Remember username) checkbox, and a large orange "다음" (Next) button. Below the button is a paragraph about SSO login and a link for "비밀번호 찾기" (Forgot password). The right column has the heading "신규 사용자인가요?" (Are you a new user?). Below it is a paragraph explaining the benefits of a SAS profile. At the bottom of this column is a red-bordered orange button labeled "프로필 만들기" (Create profile).



The image shows the SAS Global profile creation page. At the top left is the SAS logo. At the top right is the text "SAS 프로필". Below the header is a progress bar indicating "2단계 중 1단계: 귀하에 대해 알려주십시오." (Step 1 of 2: Tell us about you). The main form contains several fields: "기본 설정 언어" (Basic setting language) with a dropdown menu set to "한국어 (Korean)", "성 \*" (Last name) with the value "Choi", "이름 \*" (First name) with the value "YoonJin", "이메일 \*" (Email) with the value "choi@mondana.net", "국가/지방 \*" (Country/Region) with a dropdown menu set to "Korea (South), Republic of Korea", "SAS 회원 유형 \*" (SAS member type) with a dropdown menu set to "학생" (Student), "SAS 전문 지식 레벨 \*" (SAS expert knowledge level) with a dropdown menu set to "초급" (Beginner), and "회사/조직 \*" (Company/Organization) with the value "연세대학교". There is a "\*필수" (Required) label at the bottom right of the form. Below the form is a checkbox for "예, 본인은 경우에 따라 SAS 및 계열사로부터 SAS 제품, 이벤트, 무료 박사, 특별 제안 등에 관한 이메일을 수신하고 싶습니다. 본인은 모든 개인 정보가 SAS 개인 정보 보호 정책에 따라 취급될 것을 이해합니다. 자세한 정보." (Yes, I would like to receive emails from SAS and its affiliates regarding SAS products, events, free PhD, special offers, etc. I understand that all personal information will be handled in accordance with SAS's personal information protection policy. See detailed information.). There is a checkbox for "본인은 이용 약관에 동의합니다." (I agree with the terms of use.). Below these is an orange "프로필 만들기" (Create profile) button. At the bottom, there is a note: "\*프로필 만들기"를 클릭한 후 비밀번호 설정 및 프로필 활성화에 대한 지침이 포함된 확인 이메일이 수신됩니다. (After clicking "Create profile", you will receive a confirmation email containing instructions for password setting and profile activation.) and another note: "SAS는 귀하의 개인 정보를 소중히 여기며 타인에게 귀하의 정보를 판매, 대여 또는 임대하지 않습니다." (SAS values your personal information and does not sell, rent, or lease your information to others.)

# I SAS Global 회원 가입

아래 링크 접속하여 SAS 아이디 없는 경우 “프로필 만들기.”  
<http://bit.ly/vc-sas-0>

2


SAS 프로필


SAS 프로필을 만들어 주셔서 감사합니다. 이제 거의 완료되었습니다!

입력하신 이메일 주소로 확인 이메일이 전송되었습니다. 이메일 주소를 확인하고 프로필을 활성화하려면 이메일(제목: SAS 프로필을 활성화 해 주십시오)에 포함된 링크를 클릭하십시오. 비밀번호 설정이 요청됩니다.

이메일이 받은편지함에 도달하는 데 몇분 걸릴 수 있습니다. 이메일을 받지 못하신 경우 스팸 폴더를 확인하십시오.

귀하의 메일 서버에서 SAS에서 발송한 이메일을 스팸으로 차단하지 않도록 귀하의 수신 허용 발신자 도메인 목록에 sas.com을 추가하십시오.

SAS 프로필 생성에 관련하여 문제가 있을 경우 [SASProfileHelp@sas.com](mailto:SASProfileHelp@sas.com)으로 이메일을 보내 주십시오.




고객명: YoonJin Choi,

SAS 프로파일을 만들어주셔서 감사합니다. 다음 링크를 클릭하여 이메일 주소를 확인하고 프로파일을 활성화하십시오.

**SAS 프로파일 활성화**

프로파일을 활성화한 후에는 무료 교육, SAS 커뮤니티, 기술 지원 등에 액세스할 수 있습니다. 질문이 있거나 SAS 프로파일을 요청하지 않은 경우 [SASProfileHelp@sas.com](mailto:SASProfileHelp@sas.com)으로 이메일을 보내십시오.

[http://www.sas.com/store/expresscheckout.ep?item=DPUNVE001\\_VirtualBox](http://www.sas.com/store/expresscheckout.ep?item=DPUNVE001_VirtualBox)


SAS 프로필

2단계 중 2단계: 비밀번호를 설정해 주십시오

비밀번호 (표시하기)

비밀번호에는 최소한 다음이 포함되어야 합니다:

- 8자 이상
- 소문자 1개
- 대문자 1개
- 기호 1개
- 숫자 1개

#, -, 이름, 또는 이메일 주소의 일부를 사용하지 마십시오.

비밀번호 확인

비밀번호 설정


SAS 프로필

귀하의 프로필이 활성화되었습니다! 이제 새 SAS 프로필 자격 증명을 사용하여 로그인할 수 있습니다.

계속

# I SAS Global 회원 가입

아래 링크 접속하여 SAS UE  
다운로드  
<http://bit.ly/vc-sas-02>

[http://www.sas.com/store/expresscheckout.ep?item=DPUNVE001\\_VirtualBox](http://www.sas.com/store/expresscheckout.ep?item=DPUNVE001_VirtualBox)



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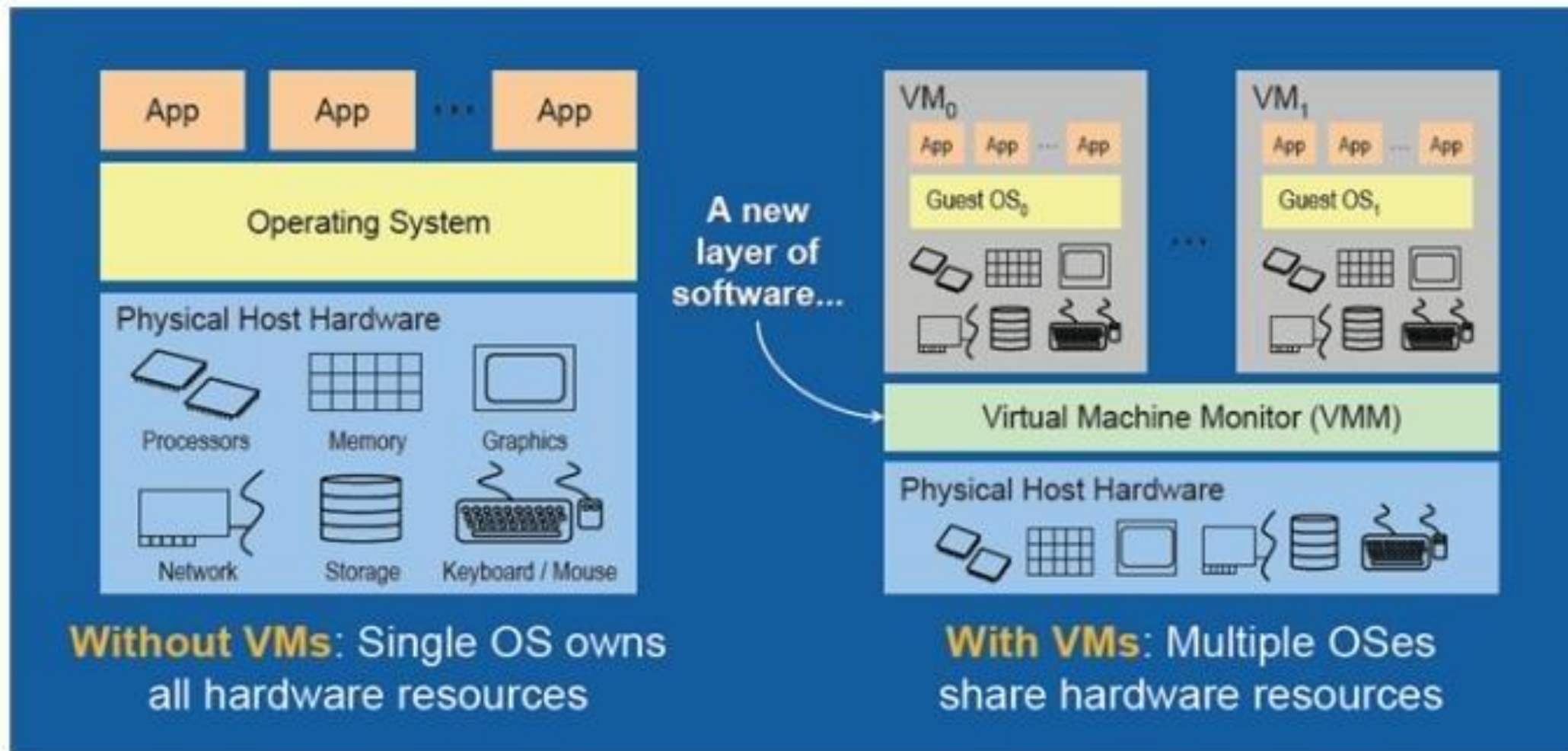
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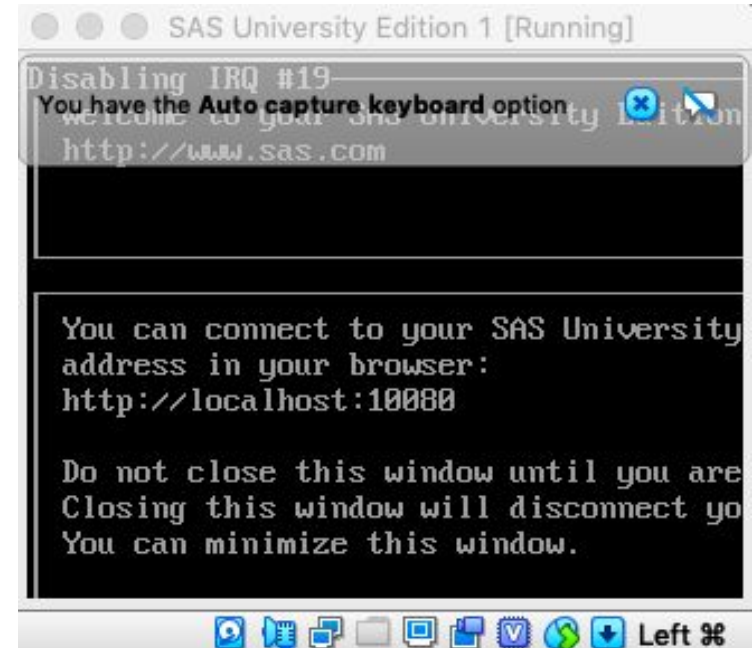
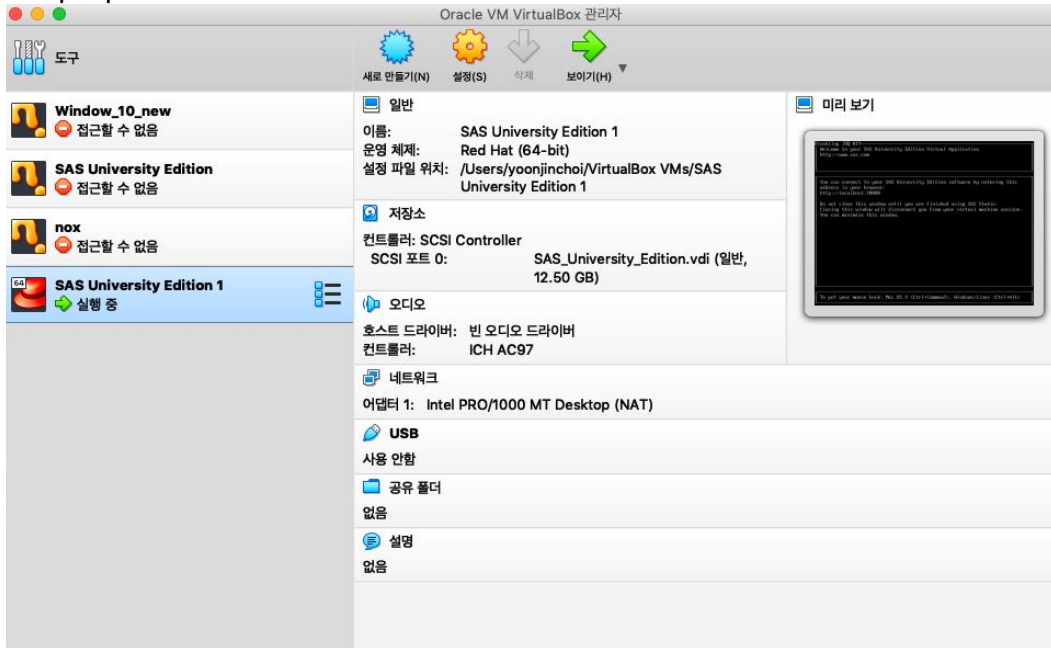
# I 가상머신을 사용한 SAS UE 실행



(Source: <https://software.intel.com>)

# I Oracle Virtual Machine 실행

파일 > 가상시스템 가져오기 > SAS UE 파일 선택 > 시작



# I Oracle Virtual Machine 실행

웹브라우저에 address in your browser 주소 입력하여 접속

