




# 시스템프로그래밍 1학기 Github


2021863026


류연우


 **syspgm** Public


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
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 main


 1 Branch


 0 Tags














 Go to file


 Add file


 Code


 **MONBRUNO** Update README.md

01d36f9 · now  59 Commits

 0307	Update README.md	2 weeks ago
 0314	Update README.md	2 weeks ago
 0321	Update README.md	2 weeks ago
 0328	Update README.md	2 weeks ago
 0404	Update README.md	2 weeks ago
 0411	Update README.md	2 weeks ago
 0418	Update README.md	2 weeks ago
 0502	Update README.md	2 weeks ago
 0509	Update README.md	2 weeks ago
 0516	Update README.md	2 weeks ago
 0523	Add files via upload	2 weeks ago
 presentation	Add files via upload	2 days ago
 README.md	Update README.md	now


 README





 **syspgm**


About


No description, website, or topics provided.

 Readme

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Makefile 0.9%


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 **MSBuild based projects**

Configure

Build a MSBuild based project.

 **SLSA Generic**

Configure

Build a SLSA Generic project.

1.0

syspgm / 0307 /

Add file ▾ ⋮

**MONBRUNO** Update README.md

5da8733 · 2 weeks ago History

Name	Last commit message	Last commit date
..		
README.md	Update README.md	2 weeks ago
스크린샷 2025-03-07 105009.png	Add files via upload	2 weeks ago

README.md

# Windows에서 WSL2를 활용한 Linux 사용 가이드

---

## 개요

이 문서는 Windows 환경에서 WSL2(Windows Subsystem for Linux 2)를 활용하여 Linux 환경을 구축하고 사용하는 방법을 안내합니다. WSL2를 사용하면 가상 머신이나 이중 부팅 없이도 Windows에서 직접 Linux를 실행할 수 있습니다.

# 1.0

## Commits

History for [syspgm](#) / 0307 on [main](#)

All users ▾

All time ▾

Commits on May 27, 2025

<b>Update README.md</b> MONBRUNO authored 2 weeks ago	<b>Verified</b>	5da8733			
<b>Add files via upload</b> MONBRUNO authored 2 weeks ago	<b>Verified</b>	cfdd526			
<b>Create README.md</b> MONBRUNO authored 2 weeks ago	<b>Verified</b>	cf84311			

End of commit history for this file

1.0

syspgm / 0314 /

MONBRUNO

Update README.md

Name	Last commit message
..	
software	Add files via upload
README.md	Update README.md
스크린샷 2025-03-14 113131.png	Add files via upload

README.md

# 리눅스 시스템 명령어 정리


## 1. 주요 시스템 디렉토리


디렉토리	설명
/	루트 디렉토리
/home	사용자 홈 디렉토리


# 1.0

## Commits


History for `syspgm` / 0314 on `main`

 All users

 All time




 Commits on May 27, 2025

Update README.md


 MONBRUNO authored 2 weeks ago

Verified

bf9f124






Add files via upload


 MONBRUNO authored 2 weeks ago

Verified

ed70f4b







Create README.md

 MONBRUNO authored 2 weeks ago

Verified

9b454e4



 End of commit history for this file

1.0

syspgm / 0321 /

MONBRUNO

Update README.md

Name	Last commit message
..	
0321	Add files via upload
README.md	Update README.md
스크린샷 2025-03-21 092904.png	Add files via upload

README.md

# 유닉스 기본 명령어 요약

## 1. 시스템 정보 확인

- `date` : 현재 날짜 및 시간 출력
- `hostname` : 시스템 호스트 이름 확인
- `uname` , `uname -a` : 커널 및 시스템 정보 확인
- `whoami` : 현재 사용자 확인
- `cat /etc/passwd` : 시스템 사용자 정보 확인

# 1.0

## Commits

History for `syspgm` / `0321` on `main`

All users

All time

Commits on May 27, 2025

Update README.md

MONBRUNO authored 2 weeks ago

Verified

7830e47

Add files via upload

MONBRUNO authored 2 weeks ago

Verified

a5f6a18

Commits on May 16, 2025

Add files via upload

MONBRUNO authored last month

Verified

91f99ec

Create README.md

MONBRUNO authored last month

Verified


7d64881

End of commit history for this file



1.0

syspgm / 0328 /

 **MONBRUNO** Update README.md

Name	Last commit message
..	
0328	Add files via upload
README.md	Update README.md

README.md

## 유닉스 파일 사용 명령어 요약

### 1. 파일 복사: `cp`

- `cp 파일1 파일2` : 파일 복사
- `cp -i` : 덮어쓰기 전 확인
- `cp 파일들 디렉터리` : 여러 파일 복사
- `cp -r 디렉터리1 디렉터리2` : 디렉터리 전체 복사

### 2. 파일 이동: `mv`

# 1.0

## Commits

History for `syspgm / 0328` on `main`

All usersAll time

Commits on May 27, 2025

Update README.md

MONBRUNO

authored 2 weeks ago

Verifiedb555e20

Commits on May 16, 2025

Add files via upload

MONBRUNO

authored last month

Verifiedf11256b

Create README.md

MONBRUNO


authored last month

Verified51019cd

End of commit history for this file

1.5

syspgm / 0404 /

 **MONBRUNO** Update README.md

Name	Last commit message
..	
mission	Add files via upload
README.md	Update README.md

README.md

# AI 활용 강의 요약 README



## 1. 인공지능의 이해


- 인공지능의 발전 및 ChatGPT와 같은 생성형 AI의 보급
- ChatGPT는 2개월 만에 1억 사용자 돌파


## 2. LLM의 이해와 기초 활용


- 프롬프트 전략: 제로샷, 원샷, 퓨샷


## Commits


 All users ▾  All time ▾

Update README.md Verified cc095bb   

Delete 0404/README.md Verified 9d539dc   


 MONBRUNO authored on Apr 11

 MONBRUNO authored on Apr 11

 MONBRUNO authored on Apr 11

1.0


syspgm / 0411 /

 MONBRUNO

Update README.md

Name	Last commit message
..	
0411	Add files via upload
README.md	Update README.md

README.md

 **셸(Shell) 사용법**

셸의 개념

- 사용자와 운영체제 사이에서 명령어를 처리하는 인터페이스
- 주요 셸: `sh` , `bash` , `csch` , `ksh` , `tcsh`

환경 설정

- 환경 변수: `export VAR=value` , `echo $VAR` , `env` 로 확인
- 시작 파일: `.bash_profile` , `.bashrc` 등

전면/후면 처리

- 전면: `$ 명령어` / 후면: `$ 명령어 &` , `jobs` , `fg` , `bg`

이처럼 개지전



1.0

Commits

History for [syspgm](#) / 0411 on [main](#)

All users

All time

Commits on May 27, 2025

Update README.md

MONBRUNO authored 2 weeks ago

Verified

c8773fc



Update README.md

MONBRUNO authored 2 weeks ago

Verified

f40ee85



Update README.md

MONBRUNO authored 2 weeks ago

Verified

0ef128e



Commits on May 16, 2025

Add files via upload

MONBRUNO authored last month

Verified

7331415



Create README.md

MONBRUNO authored last month

Verified


c27e17e






End of commit history for this file

1.0

syspgm / 0418 /

 MONBRUNO Update README.md

Name	Last commit message
 ..	
 0418	Add files via upload
 README.md	Update README.md

README.md

## 리눅스 프로세스 관리 요약

### 1. 프로세스 기본 개념

- 실행 중인 프로그램을 **\*\*프로세스(Process)\*\***라고 함
- 고유한 PID(프로세스 ID)를 가지며, 부모 프로세스에 의해 생성됨
- 종류: 시스템 프로세스(데몬), 사용자 프로세스

### 2. 프로세스 상태 보기

- `ps` , `ps -f` , `ps -ef` : 실행 중인 프로세스 출력
- `pgrep` [옵션] 패턴 : 특정 프로세스 검색

### 3. 작업 제어

# 1.0

## Commits

History for `syspgm` / `0418` on `main`

All users

All time

Commits on May 27, 2025

### Update README.md

MONBRUNO authored 2 weeks ago

Verified

56378a8



Commits on May 16, 2025

### Add files via upload

MONBRUNO authored last month

Verified

c8a687a



### Create README.md

MONBRUNO authored last month

Verified

89ec7cf



End of commit history for this file



syspgm / 0502 /

MONBRUNO

Update README.md

Name	Last commit message
..	
0502	Add files via upload
README.md	Update README.md

README.md

# 파일과 시스템 호출 요약

## 1. 유닉스 커널과 시스템 호출

- **커널의 역할:** 파일, 프로세스, 메모리, 통신, 디바이스 관리
- **시스템 호출:** 응용 프로그램이 커널 서비스 요청하는 인터페이스

### 주요 시스템 호출

- 파일: `open()`, `close()`, `read()`, `write()`, `dup()`, `lseek()`
- 프로세스: `fork()`, `exec()`, `wait()`, `exit()`
- 기타: `signal()`, `pipe()`, `socket()` 등

## 2 파일 조작

# 1.0

## Commits

History for `syspgm` / `0502` on `main`

All users

All time

Commits on May 27, 2025

Update README.md

MONBRUNO authored 2 weeks ago

Verified

125e380

Update README.md

MONBRUNO authored 2 weeks ago

Verified

9e2083f

Commits on May 16, 2025

Add files via upload

MONBRUNO authored last month

Verified

2c3b873

Create README.md

MONBRUNO authored last month

Verified

8361fcb

End of commit history for this file

1.5

syspgm / 0509 /

MONBRUNO

Update README.md

Name	Last commit message
..	
0509	Add files via upload
README.md	Update README.md

README.md

## 파일 및 파일 시스템

### 1. 시스템 호출과 파일 개요

- 시스템 호출은 커널에 서비스를 요청하기 위한 프로그래밍 인터페이스.
- 주요 파일 관련 호출: `open()`, `close()`, `read()`, `write()`, `dup()`, `lseek()`, `creat()`
- 파일 디스크립터: 열려있는 파일을 식별하는 정수 값
- 파일은 바이트 연속 구조이며 포맷이 정의되지 않음

### 2. 파일 입출력 구현

#### 주요 구조체

1.5

Commits

History for `syspgm` / `0509` on `main`

All usersAll time

Commits on May 27, 2025

Update README.md

MONBRUNO

authored 2 weeks ago

Verifiedef01e75

Update README.md

MONBRUNO

authored 2 weeks ago

Verified6015cd2

Commits on May 16, 2025

Update README.md

MONBRUNO

authored last month

Verifiedbf66ffc

Add files via upload

MONBRUNO

authored last month

Verifiedee8135d

Create README.md

MONBRUNO

authored last month

Verifiedb3adc49

End of commit history for this file

## 1.5

syspgm / 0516 /

MONBRUNO Update README.md

Name	Last commit message
..	
0516	Add files via upload
README.md	Update README.md

README.md

## 네트워크, 서버, 파일 유틸리티

### 1. 네트워크 및 서버

#### 네트워크 개요

- LAN: 근거리 통신망, 이더넷 기반
- 라우터: 네트워크 간 데이터 전달 장치
- 게이트웨이: LAN과 인터넷 연결 장치
- WAP: 무선 장치와 유선 네트워크 연결

#### 인터넷 구성 요소

- IP 주소: 장치 식별 주소 (예: 203.252.201.11)
- TCP/IP: 신뢰성 있는 데이터 전송 보장

1.5

Commits

History for `syspgm` / 0516 on `main`

All usersAll time

Commits on May 27, 2025

Update README.md

MONBRUNO authored 2 weeks ago

Verified6bb8639

CopyDownloadCompare

Commits on May 23, 2025

Add files via upload

MONBRUNO authored 3 weeks ago

Verifiedf6b740d

CopyDownloadCompare

Add files via upload

MONBRUNO authored 3 weeks ago

Verified27fece5

CopyDownloadCompare

Add files via upload

MONBRUNO authored 3 weeks ago

Verifiedcca9dd5

CopyDownloadCompare

Create README.md

MONBRUNO authored 3 weeks ago

Verified10c5673

CopyDownloadCompare

Commits on May 16, 2025

Update README.md

MONBRUNO authored last month

Verified344864a

CopyDownloadCompare

Create README.md

MONBRUNO authored last month

Verified9840fbd

CopyDownloadCompare

End of commit history for this file

1.5

syspgm / 0523 /

MONBRUNO

Add files via upload

Name	Last commit message
..	
0523	Add files via upload
README.md	Create README.md

README.md

# 유닉스 유틸리티

## 1. 명령어 스케줄링

### cron (주기적 실행)

- `crontab` 파일 구성: 분 시 일 월 요일 [사용자] 명령
- 주요 명령:
  - `crontab -l` : 등록된 작업 목록
  - `crontab -e` : 수정/생성
  - `crontab -r` : 삭제


### at (한 번 실행)


- `at` [시간] : 지정 시간에 명령 실행


# 1.5

## Commits


History for `syspgm / 0523` on `main`




 All users ▾

 All time ▾


 Commits on May 27, 2025




### Add files via upload


 MONBRUNO authored 2 weeks ago

Verified 85297d5   

### Create README.md

 MONBRUNO authored 2 weeks ago


















Verified 5d900ba   



















 End of commit history for this file




















# 명령어 50개 구현



syspgm / presentation / linux_commands_c /	
	MONBRUNO Add files via upload
Name	
	..
	cal.c
	cat.c
	chmod.c
	chown.c
	clear.c
	cp.c
	cut.c
	date.c
	df.c
	du.c
	dup.c
	echo.c
	exec.c
	fopen.c
	fork.c

	getpid.c
	grep.c
	head.c
	hostname.c
	id.c
	ifconfig.c
	kill.c
	ls.c
	mkdir.c
	mkfifo.c
	more.c
	mv.c
	nice.c
	open.c
	passwd.c
	ping.c
	pipe.c
	ps.c

	reboot.c
	rm.c
	rmdir.c
	shutdown.c
	sleep.c
	stat.c
	su.c
	system.c
	tail.c
	top.c
	touch.c
	uname.c
	uptime.c
	wait.c
	wc.c
	who.c
	whoami.c

늦게 업로드 : 7

시간 내 업로드 : 4

$15 - (0.5 \times 7) = 11.5$ 점

명령어 50개 : 15점

26.5점