**T2EX**

**Basic concept of T2EX**
- Maintains real-time processing
- Added network communication function
- Security-conscious design

**Open ∩ Open = ∞**

- The API of T2EX is designed with consideration of performance and security.
- Maintains real-time processing.
- Ensures all API functions of T2EX are thread-safe.

**Features offered by T2EX**

*Sample Programming*

```c
void processTask( INT stacd, VP exinf )
{
    // Function implementation...
}
```

**API offered by T2EX**

- fs_mkdir
- fs_creat
- fs_read
- fs_close
- fs_open

**Milestones of TRON/T-Kernel**

- 1984
- 1993
- 2001
- 2011
- 2012
- 2013

**T2EX**

- Provides an efficient memory protection scheme that supports multi-processes.
- Offers additional API functions to T2EX, which are thread-safe.
- Offers a file system designed to be used with T-Kernel API.

**Sample Programming with T2EX**

```c
int main() {
    printf( "Hello, T2EX!
" );
    return 0;
}
```

**T2EX API function**

- ft_open
- ft_close
- ft_read
- ft_write
- ft_seek

**Other standard C library functions defined in various header files, etc.**

- stdint.h
- stdlib.h
- string.h
- stdarg.h
- math.h
- assert.h
- stdbool.h

**Portability**

- Utilizes software assets.
- Designed to be used with T-Kernel API.
- Used for task-based programming on T-Kernel.

**Features**

- Offers a file system.
- Designed to be used with T-Kernel API.
- Used for task-based programming on T-Kernel.

**Towards the most powerful embedded OS with T2EX**

**T2EX**

- Provides an efficient memory protection scheme that supports multi-processes.
- Offers additional API functions to T2EX, which are thread-safe.
- Offers a file system designed to be used with T-Kernel API.

**Programming with T2EX**

```c
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