

# Cybersecurity Standardization and Future Development Trends of NIST

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## SUMMARY

This presentation discuss Cybersecurity standardization activities, documents, and relevant issues of NIST (National Institutes of Standards and Technology) and introduce future development trends.

Based on the standardization work of NIST and current development trends of Cybersecurity technology developments, future Cybersecurity development trends will be suggested.

## I. INTRODUCTION

The importance of Cybersecurity in our daily lives is growing day by day. The NIST is serving as a leading federal standard development organization of Department of Commerce for America.

The need of standardization in Cybersecurity, state of the art of Cybersecurity standardization, outstanding issues of Cybersecurity standardization, and future technical development trends to fight against ever changing global Cybersecurity threats and attacks efficiently will be introduced.

## II. CYBERSECURITY STANDARDIZATION

### *A. Cybersecurity*

A general introduction to Cybersecurity will be introduced.

### *B. The Need for Standardization*

The necessity of standardization in Cybersecurity environment will be addressed and discussed.

### *C. State of the Art of Cybersecurity Standardization*

The current state of the art of Cybersecurity standardization processes of NIST are discussed.

### *D. Outstanding Issues of Cybersecurity Standardization*

Various outstanding issues in Cybersecurity standardization processes and implementation in industry are described.

## III. FUTURE TECHNICAL DEVELOPMENT TRENDS

## REFERENCES

1. Cybersecurity Portal of NIST, Authors,  
<http://www.nist.gov/cybersecurity-portal.cfm>.