

Global Free Space Optics (FSO) and Visible Light Communication Market Size study, by Component (Light Emitting Diode, Photodetector, Microcontroller) By Transmission Type (Unidirectional Transmission, Bidirectional Transmission), By Application (Smart Store, Streetlight, Consumer Electronics, Defense and Security, Vehicle and Transportation, Others) and Regional Forecasts 2019-2026

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Abstracts

Global Free Space Optics (FSO) and Visible Light Communication Market is valued approximately USD 282.6 million in 2018 and is anticipated to grow with a healthy growth rate of more than 36% over the forecast period 2019-2026. Free space optics (FSO) is a communication technology that utilizes the traveling light in the free space such as outer space, air and vacuum for the optical communication purpose. This technology is very beneficial in conditions where the natural connection of optical fiber cable is unreasonable due to issues such as high costs. Whilst, the visible light communication (VLC) is a section of optical wireless communications technology, that uses the light that is detectable between the ranges of 400 to 800 THz in order to transmit the signals from 1-2 km. Increasing demand for alternate old technology with FSO startups coupled with rise in the number of space researches are key driving forces of the market growth. Furthermore, Emergence of new applications such as IoT and 5G is expected to create significant growth opportunity in the market over the forecast period. However, increase in fitting charges impedes the growth of the market over the forecast period of 2019-2026.

The regional analysis of global Free Space Optics (FSO) and Visible Light

Communication market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading/significant region across the world in terms of market share owing to huge investment in telecom infrastructure, government funding and deployment of several VLC systems in commercial and public places. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2019-2026. Factors such as growing CAD industry, recent development and increased expenditure on VLC related R&D activities in region would create lucrative growth prospects for the Free Space Optics (FSO) and Visible Light Communication market across Asia-Pacific region.

Major market player included in this report are:

LightPointe Communications
fSONA Networks
Wireless Excellence
Plaintree Systems
Trimble Hungary
Signify Holding (Formerly Philips Lighting)
Oledcomm
Lucibel
pureLiFi
Acuity Brands

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Component:

Light Emitting Diode
Photodetector
Microcontroller

By Transmission Type:

Unidirectional Transmission
Bidirectional Transmission

By Application:

Smart Store

Streetlight

Consumer Electronics

Defense and Security

Vehicle and Transportation

By Region:

North America

U.S.

Canada

Europe

UK

Germany

Asia Pacific

China

India

Japan

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2016, 2017

Base year – 2018

Forecast period – 2019 to 2026

Target Audience of the Global Free Space Optics (FSO) and Visible Light Communication Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2017-2026 (USD Million)
 - 1.2.1. Free Space Optics & Visible Light Communication Market, by Region, 2017-2026 (USD Million)
 - 1.2.2. Free Space Optics & Visible Light Communication Market, by Component, 2017-2026 (USD Million)
 - 1.2.3. Free Space Optics & Visible Light Communication Market, by Transmission Type, 2017-2026 (USD Million)
 - 1.2.4. Free Space Optics & Visible Light Communication Market, by Application, 2017-2026 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET DYNAMICS

- 3.1. Free Space Optics & Visible Light Communication Market Impact Analysis (2018-2026)
 - 3.1.1. Market Drivers
 - 3.1.2. Market Challenges
 - 3.1.3. Market Opportunities

CHAPTER 4. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model

4.1.1. Bargaining Power of Suppliers

4.1.2. Bargaining Power of Buyers

4.1.3. Threat of New Entrants

4.1.4. Threat of Substitutes

4.1.5. Competitive Rivalry

4.1.6. Futuristic Approach to Porter's 5 Force Model (2016-2026)

4.2. PEST Analysis

4.2.1. Political

4.2.2. Economical

4.2.3. Social

4.2.4. Technological

4.3. Investment Adoption Model

4.4. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET, BY COMPONENT

5.1. Market Snapshot

5.2. Global Free Space Optics & Visible Light Communication Market by Component, Performance - Potential Analysis

5.3. Global Free Space Optics & Visible Light Communication Market Estimates & Forecasts by Component 2016-2026 (USD Million)

5.4. Free Space Optics & Visible Light Communication Market, Sub Segment Analysis

5.4.1. Light Emitting Diode

5.4.2. Photodetector

5.4.3. Microcontroller

CHAPTER 6. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET, BY TRANSMISSION TYPE

6.1. Market Snapshot

6.2. Global Free Space Optics & Visible Light Communication Market by Transmission Type, Performance - Potential Analysis

6.3. Global Free Space Optics & Visible Light Communication Market Estimates & Forecasts by Transmission Type 2016-2026 (USD Million)

6.4. Free Space Optics & Visible Light Communication Market, Sub Segment Analysis

6.4.1. Unidirectional Transmission

6.4.2. Bidirectional Transmission

CHAPTER 7. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET, BY APPLICATION

7.1. Market Snapshot

7.2. Global Free Space Optics & Visible Light Communication Market by Application, Performance - Potential Analysis

7.3. Global Free Space Optics & Visible Light Communication Market Estimates & Forecasts by Application 2016-2026 (USD Million)

7.4. Free Space Optics & Visible Light Communication Market, Sub Segment Analysis

7.4.1. Smart Store

7.4.2. Streetlight

7.4.3. Consumer Electronics

7.4.4. Defense and Security

7.4.5. Vehicle and Transportation

CHAPTER 8. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET, REGIONAL ANALYSIS

8.1. Free Space Optics & Visible Light Communication Market, Regional Market Snapshot

8.2. North America Free Space Optics & Visible Light Communication Market

8.2.1. U.S. Free Space Optics & Visible Light Communication Market

8.2.1.1. Component breakdown estimates & forecasts, 2016-2026

8.2.1.2. Transmission Type breakdown estimates & forecasts, 2016-2026

8.2.2. Canada Free Space Optics & Visible Light Communication Market

8.3. Europe Free Space Optics & Visible Light Communication Market Snapshot

8.3.1. U.K. Free Space Optics & Visible Light Communication Market

8.3.2. Germany Free Space Optics & Visible Light Communication Market

8.3.3. Rest of Europe Free Space Optics & Visible Light Communication Market

8.4. Asia-Pacific Free Space Optics & Visible Light Communication Market Snapshot

8.4.1. China Free Space Optics & Visible Light Communication Market

8.4.2. India Free Space Optics & Visible Light Communication Market

8.4.3. Japan Free Space Optics & Visible Light Communication Market

8.4.4. Rest of Asia Pacific Free Space Optics & Visible Light Communication Market

8.5. Latin America Free Space Optics & Visible Light Communication Market Snapshot

8.5.1. Brazil Free Space Optics & Visible Light Communication Market

8.5.2. Mexico Free Space Optics & Visible Light Communication Market

8.6. Rest of The World Free Space Optics & Visible Light Communication Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

9.1. Top Market Strategies

9.2. Company Profiles

9.2.1. LightPointe Communications

9.2.1.1. Key Information

9.2.1.2. Overview

9.2.1.3. Financial (Subject to Data Availability)

9.2.1.4. Product Summary

9.2.1.5. Recent Developments

9.2.2. fSONA Networks

9.2.3. Wireless Excellence

9.2.4. Plaintree Systems

9.2.5. Trimble Hungary

9.2.6. Signify Holding (Formerly Philips Lighting)

9.2.7. Oledcomm

9.2.8. Lucibel

9.2.9. Purelifi

9.2.10. Acuity Brands

CHAPTER 10. RESEARCH PROCESS

10.1. Research Process

10.1.1. Data Mining

10.1.2. Analysis

10.1.3. Market Estimation

10.1.4. Validation

10.1.5. Publishing

10.2. Research Attributes

10.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. LIST OF SECONDARY SOURCES, USED IN THE STUDY OF GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET

TABLE 2. LIST OF PRIMARY SOURCES, USED IN THE STUDY OF GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET

TABLE 3. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET, REPORT SCOPE

TABLE 4. YEARS CONSIDERED FOR THE STUDY

TABLE 5. EXCHANGE RATES CONSIDERED

TABLE 6. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS BY REGION 2016-2026 (USD MILLION)

TABLE 7. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS BY COMPONENT 2016-2026 (USD MILLION)

TABLE 8. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS BY TRANSMISSION TYPE 2016-2026 (USD MILLION)

TABLE 9. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS BY APPLICATION 2016-2026 (USD MILLION)

TABLE 10. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 11. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 12. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 13. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 14. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 15. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 16. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 17. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 18. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 19. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 20. U.S. FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 21. U.S. FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 22. U.S. FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 23. CANADA FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 24. CANADA FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 25. CANADA FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 26. UK FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 27. UK FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 28. UK FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 29. GERMANY FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 30. GERMANY FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 31. GERMANY FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 32. ROE FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 33. ROE FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 34. ROE FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 35. CHINA FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 36. CHINA FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 37. CHINA FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 38. INDIA FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION

MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 39. INDIA FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION

MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 40. INDIA FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION

MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 41. JAPAN FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION

MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 42. JAPAN FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION

MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 43. JAPAN FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION

MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 44. ROAPAC FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION

MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 45. ROAPAC FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION

MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 46. ROAPAC FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION

MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 47. BRAZIL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION

MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 48. BRAZIL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION

MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 49. BRAZIL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION

MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 50. MEXICO FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION

MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 51. MEXICO FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION

MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 52. MEXICO FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION

MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 53. ROLA FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION

MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 54. ROLA FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION

MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 55. ROLA FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION

MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 56. ROW FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION

MARKET ESTIMATES & FORECASTS, 2016-2026 (USD MILLION)

TABLE 57. ROW FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION

MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

TABLE 58. ROW FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION
MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD MILLION)

List Of Figures

LIST OF FIGURES

FIG 1. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET, RESEARCH METHODOLOGY

FIG 2. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET, MARKET ESTIMATION TECHNIQUES

FIG 3. GLOBAL MARKET SIZE ESTIMATES & FORECAST METHODS

FIG 4. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET, KEY TRENDS 2018

FIG 5. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET, GROWTH PROSPECTS 2019-2026

FIG 6. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET, PORTERS 5 FORCE MODEL

FIG 7. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET, PEST ANALYSIS

FIG 8. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET, VALUE CHAIN ANALYSIS

FIG 9. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET BY SEGMENT, 2016 & 2026 (USD MILLION)

FIG 10. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET BY SEGMENT, 2016 & 2026 (USD MILLION)

FIG 11. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET BY SEGMENT, 2016 & 2026 (USD MILLION)

FIG 12. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET BY SEGMENT, 2016 & 2026 (USD MILLION)

FIG 13. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET BY SEGMENT, 2016 & 2026 (USD MILLION)

FIG 14. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET, REGIONAL SNAPSHOT 2016 & 2026

FIG 15. NORTH AMERICA FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET 2016 & 2026 (USD MILLION)

FIG 16. EUROPE FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET 2016 & 2026 (USD MILLION)

FIG 17. ASIA PACIFIC FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET 2016 & 2026 (USD MILLION)

FIG 18. LATIN AMERICA FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION MARKET 2016 & 2026 (USD MILLION)

**FIG 19. GLOBAL FREE SPACE OPTICS & VISIBLE LIGHT COMMUNICATION
MARKET, COMPANY MARKET SHARE ANALYSIS (2018)**

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