LIA Core™ - Exemplos de Comandos cURL

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Guia de referência rápida para testar o Módulo Conversacional LIA Core™ usando comandos curl.

Conversa Básica sobre Estado de Saúde

```
curl -X POST https://wearable-biosignal-backend.onrender.com/api/v1/chat \
  -H "Content-Type: application/json" \
  -d '{
    "message": "Hello! Can you tell me about my current health status?",
    "session_id": "user_001",
    "include_biosignal_context": true
  }'
```

Perguntar Sobre Métricas Específicas

Variabilidade da Frequência Cardíaca (VFC)

```
curl -X POST https://wearable-biosignal-backend.onrender.com/api/v1/chat \
  -H "Content-Type: application/json" \
  -d '{
    "message": "What does my HRV score mean? Is it good or bad?",
    "session_id": "user_001",
    "include_biosignal_context": true
  }'
```

Oxigênio no Sangue (SpO2)

```
curl -X POST https://wearable-biosignal-backend.onrender.com/api/v1/chat \
  -H "Content-Type: application/json" \
  -d '{
    "message": "How is my blood oxygen level? Should I be concerned?",
    "session_id": "user_001",
    "include_biosignal_context": true
  }'
```

Ritmo Circadiano

```
curl -X POST https://wearable-biosignal-backend.onrender.com/api/v1/chat \
  -H "Content-Type: application/json" \
  -d '{
    "message": "What does my circadian phase indicate? Is this a good time for exercise?",
    "session_id": "user_001",
    "include_biosignal_context": true
  }'
```

Pontuação de Bem-Estar

```
curl -X POST https://wearable-biosignal-backend.onrender.com/api/v1/chat \
  -H "Content-Type: application/json" \
  -d '{
    "message": "Explain my overall wellness score. What areas should I focus on improving?",
    "session_id": "user_001",
    "include_biosignal_context": true
  }'
```

Perguntas Gerais de Saúde (Sem Dados Atuais)

```
curl -X POST https://wearable-biosignal-backend.onrender.com/api/v1/chat \
  -H "Content-Type: application/json" \
  -d '{
    "message": "What are the best ways to improve my sleep quality?",
    "session_id": "user_001",
    "include_biosignal_context": false
  }'
```

```
curl -X POST https://wearable-biosignal-backend.onrender.com/api/v1/chat \
  -H "Content-Type: application/json" \
  -d '{
    "message": "What exercises are best for improving cardiovascular health?",
    "session_id": "user_001",
    "include_biosignal_context": false
  }'
```

Gerenciamento de Conversas

Obter Histórico de Conversas

```
curl https://wearable-biosignal-backend.onrender.com/api/v1/chat/history/user_001
```

Limpar Histórico de Conversas

```
curl -X DELETE https://wearable-biosignal-backend.onrender.com/api/v1/chat/history/user_001
```

Obter Dados Atuais de Biosinais

```
# Get processed data from all layers
curl https://wearable-biosignal-backend.onrender.com/api/v1/stream | python3 -m json.tool
```

```
# Get prediction/condition
curl https://wearable-biosignal-backend.onrender.com/api/v1/predict | python3 -m json.tool
```

```
# Get processing logs
curl https://wearable-biosignal-backend.onrender.com/api/v1/logs/processing?limit=50 | python3 -m
```

Status do Sistema

```
# Check API info
curl https://wearable-biosignal-backend.onrender.com/ | python3 -m json.tool
```

```
# Health check
curl https://wearable-biosignal-backend.onrender.com/api/v1/health | python3 -m json.tool
```

Exemplo de Conversa Multi-turno

```
# Message 1
curl -X POST https://wearable-biosignal-backend.onrender.com/api/v1/chat \
  -H "Content-Type: application/json" \
  -d '{
    "message": "Hi LIA, how am I doing today?",
    "session_id": "conversation_demo",
    "include_biosignal_context": true
  }'

# Message 2 (follows context from Message 1)
curl -X POST https://wearable-biosignal-backend.onrender.com/api/v1/chat \
  -H "Content-Type: application/json" \
  -d '{
    "message": "Can you explain my HRV in more detail?",
    "session_id": "conversation_demo",
    "include_biosignal_context": true
  }'

# Message 3 (follows context from Messages 1 & 2)
curl -X POST https://wearable-biosignal-backend.onrender.com/api/v1/chat \
  -H "Content-Type: application/json" \
  -d '{
    "message": "What should I do to improve it?",
    "session_id": "conversation_demo",
    "include_biosignal_context": true
  }'


# View the full conversation
curl https://wearable-biosignal-backend.onrender.com/api/v1/chat/history/conversation_demo | pyt
```

Formatar Respostas JSON

Add `| python3 -m json.tool` to any curl command for formatted output:

```
curl -X POST https://wearable-biosignal-backend.onrender.com/api/v1/chat \
  -H "Content-Type: application/json" \
  -d '{
    "message": "How is my heart rate?",
    "session_id": "user_001",
    "include_biosignal_context": true
  }' | python3 -m json.tool
```

Extrair Apenas a Mensagem de Resposta

```
curl -s -X POST https://wearable-biosignal-backend.onrender.com/api/v1/chat \
  -H "Content-Type: application/json" \
  -d '{
    "message": "How is my health?",
    "session_id": "user_001",
    "include_biosignal_context": true
  }' | python3 -c "import sys, json; print(json.load(sys.stdin)['response'])"
```

Comandos Úteis de Uma Linha

```
# Quick health check
curl -s https://wearable-biosignal-backend.onrender.com/api/v1/chat \
  -H "Content-Type: application/json" \
  -d '{"message":"Quick health summary?","session_id":"quick"}' \
  | python3 -c "import sys, json; print(json.load(sys.stdin)['response'])"

# Check if server is running
curl -s https://wearable-biosignal-backend.onrender.com/api/v1/health | python3 -c "import sys,

# Get current heart rate
curl -s https://wearable-biosignal-backend.onrender.com/api/v1/stream | python3 -c "import sys,

# Get wellness score
curl -s https://wearable-biosignal-backend.onrender.com/api/v1/stream | python3 -c "import sys,
```

Documentação Interativa da API

Em vez de curl, você também pode testar a API usando a interface Swagger interativa:

Abrir no navegador: **https://wearable-biosignal-backend.onrender.com/docs**

Isso fornece uma interface web onde você pode:

- Ver todos os endpoints disponíveis
- Testar requisições diretamente no navegador
- Visualizar esquemas de requisição/resposta
- Experimentar diferentes parâmetros

Nota: Todos os exemplos assumem que o servidor está rodando em `https://wearable-biosignal-backend.onrender.com` .

LIA Core™ - Sistema de Monitoramento de Biosinais