

API Reference - Vernon Cyber Security Solutions

Base URL

- Development: <http://localhost:3001>
- Production: <https://api.vernoncybersec.ca>

Authentication

All protected endpoints require a Bearer token in the Authorization header:

```
Authorization: Bearer <your_jwt_token>
```

Authentication Endpoints

POST /auth/login

Login with email and password.

Request Body:

```
{
  "email": "user@example.com",
  "password": "securepassword"
}
```

Response:

```
{
  "access_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9...",
  "user": {
    "id": "clp123456789",
    "email": "user@example.com",
    "name": "John Doe",
    "role": "CLIENT"
  }
}
```

POST /auth/register

Register a new user account.

Request Body:

```
{
  "email": "user@example.com",
  "password": "securepassword",
  "name": "John Doe",
  "company": "ABC Corp",
  "phone": "+1-250-555-0123"
}
```

GET /auth/profile

Get current user profile (requires authentication).

Response:

```
{
  "id": "clp123456789",
  "email": "user@example.com",
  "name": "John Doe",
  "role": "CLIENT",
  "company": "ABC Corp",
  "phone": "+1-250-555-0123",
  "createdAt": "2024-01-15T10:30:00Z"
}
```

Contact Management

POST /contacts

Submit a contact form inquiry.

Request Body:

```
{
  "name": "Jane Smith",
  "email": "jane@example.com",
  "company": "XYZ Ltd",
  "phone": "+1-250-555-0456",
  "subject": "Security Assessment Inquiry",
  "message": "We need a cybersecurity assessment for our business."
}
```

Response:

```
{
  "id": "clp987654321",
  "status": "NEW",
}
```

```
"createdAt": "2024-01-15T14:20:00Z",  
"message": "Contact form submitted successfully"  
}
```

GET /contacts

List all contacts (admin only).

Query Parameters:

- **page** (number): Page number (default: 1)
- **limit** (number): Items per page (default: 10)
- **status** (string): Filter by status (NEW, IN_PROGRESS, RESOLVED, CLOSED)

Response:

```
{  
  "data": [  
    {  
      "id": "clp987654321",  
      "name": "Jane Smith",  
      "email": "jane@example.com",  
      "company": "XYZ Ltd",  
      "subject": "Security Assessment Inquiry",  
      "status": "NEW",  
      "createdAt": "2024-01-15T14:20:00Z"  
    }  
  ],  
  "meta": {  
    "total": 25,  
    "page": 1,  
    "limit": 10,  
    "totalPages": 3  
  }  
}
```

Services

GET /services

List all available services.

Response:

```
{  
  "data": [  
    {  
      "id": "clp111111111",  
      "name": "Security Assessment",  

```

```
    "description": "Comprehensive cybersecurity evaluation",
    "category": "ASSESSMENT",
    "price": "1500.00",
    "duration": "1-2 weeks",
    "features": [
      "Network vulnerability scan",
      "Policy review",
      "Risk assessment report"
    ],
    "isActive": true
  }
]
```

GET /services/:id

Get detailed information about a specific service.

Response:

```
{
  "id": "clp111111111",
  "name": "Security Assessment",
  "description": "Comprehensive cybersecurity evaluation for small and medium businesses.",
  "category": "ASSESSMENT",
  "price": "1500.00",
  "duration": "1-2 weeks",
  "features": [
    "Network vulnerability scanning",
    "Security policy review",
    "Risk assessment report",
    "Remediation recommendations"
  ],
  "isActive": true,
  "createdAt": "2024-01-01T00:00:00Z"
}
```

Security Assessments

POST /assessments

Request a security assessment.

Request Body:

```
{
  "companyName": "ABC Corporation",
  "industry": "Professional Services",

```

```
"employeeCount": 25,
"currentSecurity": {
  "hasFirewall": true,
  "hasAntivirus": true,
  "hasBackups": false,
  "hasTraining": false
},
"serviceId": "clp111111111",
"scheduledDate": "2024-02-01T09:00:00Z"
}
```

Response:

```
{
  "id": "clp222222222",
  "status": "PENDING",
  "riskLevel": "MEDIUM",
  "createdAt": "2024-01-15T16:45:00Z",
  "message": "Assessment request submitted successfully"
}
```

GET /assessments

List security assessments (requires authentication).

Response:

```
{
  "data": [
    {
      "id": "clp222222222",
      "companyName": "ABC Corporation",
      "industry": "Professional Services",
      "riskLevel": "MEDIUM",
      "status": "IN_PROGRESS",
      "scheduledDate": "2024-02-01T09:00:00Z",
      "service": {
        "name": "Security Assessment",
        "category": "ASSESSMENT"
      }
    }
  ]
}
```

Blog

GET /blog

List published blog posts.

Query Parameters:

- **page** (number): Page number
- **limit** (number): Items per page
- **category** (string): Filter by category
- **tag** (string): Filter by tag

Response:

```
{
  "data": [
    {
      "id": "clp333333333",
      "title": "5 Essential Cybersecurity Tips for Small Businesses",
      "slug": "5-essential-cybersecurity-tips-small-businesses",
      "excerpt": "Learn the fundamental security practices every small business should implement.",
      "category": "SECURITY_TIPS",
      "tags": ["small-business", "security", "tips"],
      "publishedAt": "2024-01-10T12:00:00Z",
      "coverImage": "/images/blog/cybersecurity-tips.jpg"
    }
  ],
  "meta": {
    "total": 15,
    "page": 1,
    "limit": 10
  }
}
```

GET /blog/:slug

Get a specific blog post by slug.

Response:

```
{
  "id": "clp333333333",
  "title": "5 Essential Cybersecurity Tips for Small Businesses",
  "slug": "5-essential-cybersecurity-tips-small-businesses",
  "content": "Full blog post content in markdown format...",
  "excerpt": "Learn the fundamental security practices...",
  "category": "SECURITY_TIPS",
  "tags": ["small-business", "security", "tips"],
  "coverImage": "/images/blog/cybersecurity-tips.jpg",
  "publishedAt": "2024-01-10T12:00:00Z",
  "createdAt": "2024-01-08T14:30:00Z",
}
```

```
"updatedAt": "2024-01-09T10:15:00Z"
}
```

Testimonials

GET /testimonials

List active testimonials.

Response:

```
{
  "data": [
    {
      "id": "clp444444444",
      "name": "Sarah Johnson",
      "company": "Vernon Medical Clinic",
      "position": "Practice Manager",
      "content": "Vernon Cyber Security Solutions helped us implement PIPEDA compliance and secure our patient data. Their expertise is invaluable.",
      "rating": 5,
      "isActive": true
    }
  ]
}
```

Error Responses

All API endpoints return consistent error responses:

```
{
  "statusCode": 400,
  "message": "Validation failed",
  "error": "Bad Request",
  "details": [
    {
      "field": "email",
      "message": "Email must be a valid email address"
    }
  ]
}
```

Common HTTP Status Codes

- 200 - Success
- 201 - Created

- **400** - Bad Request (validation errors)
- **401** - Unauthorized (invalid or missing token)
- **403** - Forbidden (insufficient permissions)
- **404** - Not Found
- **429** - Too Many Requests (rate limited)
- **500** - Internal Server Error

Rate Limits

- **Contact forms:** 5 submissions per 15 minutes per IP
- **Authentication:** 10 attempts per 15 minutes per IP
- **General API:** 100 requests per 15 minutes per user
- **Public endpoints:** 200 requests per 15 minutes per IP

CORS Policy

The API allows requests from:

- <http://localhost:3000> (development)
- <https://vernoncybersec.ca> (production)

Data Validation

All input data is validated using industry-standard validation rules:

- **Email:** Must be valid email format
- **Phone:** Canadian phone number format preferred
- **Passwords:** Minimum 8 characters, must include uppercase, lowercase, and numbers
- **File uploads:** Maximum 10MB, allowed types: PDF, DOC, DOCX, TXT, PNG, JPG, JPEG

Webhooks

For advanced integrations, webhooks are available for:

- New contact submissions
- Assessment status changes
- User registrations

Contact support@vernoncybersec.ca for webhook configuration.