A & A Consulting Limited
Datapark (BD) Limited

LEARN FROM THE PAST

PLAN FOR THE FUTURE

HOLDING AT A HIGHER STANDARD

Who We Are

Welcome to A & A Consulting Limited, where Technology meets Excellence, and your Success is our Priority.

A & A Consulting Limited, a dynamic subsidiary company under A & A Consulting Technology, headquartered in the United States. As a premier full-service Information Technology company, we proudly maintain local offices in Baltimore, Maryland, USA, Corpus Christi, Texas, USA, Cairo, Egypt and Dhaka, Bangladesh

Our comprehensive suite of services includes outstanding expertise in AI (Artificial Intelligence) & Data Analytics, Cyber Security, Software & Application Development, Website Design and Development. We provide Architecting, Consulting, Implementing Solutions, Staff Augmentation and Training.

At A & A, we are committed to transforming businesses through cutting-edge technology and strategic insights. Our team of skilled professionals combines innovation and industry knowledge to deliver tailored IT solutions that empower our clients globally. Whether you're seeking advanced analytics, robust cybersecurity, or customized software development; A & A Consulting is your trusted partner in navigating the complexities of the digital landscape.

AREAS OF EXPERTISE

A & A Consulting started its mission to provide best of the breed solutions to our clients with our experience team of Analysts, Architects, Developers, and Engineers.

We look at our clients' needs and help them to find the right solution for their business.

- **Architecture & Consulting**
- **AI & Data Analytics**
- **Cyber Security**
- **Software & Applications Development**
- **Website Design & Development**

A & A provides strategic planning, technology integration system engineering, project management, and complete life-cycle support.

WHY CHOOSE US

A & A Consulting Limited started its mission to provide the best of the breed solutions to our clients

A & A is a customer-oriented IT company who not only sell end to end IT products and services but stay with our client as long as client needs assistance after acquiring IT Products and Services from us. Our IT Staff have combined fourty (40) plus years' experience working and providing industry leading solutions for some re-known establishments around the world. Our staff consists of experienced in:

- **Architects**
- **Developers**
- **Engineers**
- **Project Managers**
- **Technicians**

who has been working in the industry for over two decades.

AI & DATA ANALYTICS

AI and Data Analytics synergize to transform industries by leveraging data for predictive modeling, decision-making, and personalized experiences. From healthcare diagnostics to retail strategies, this partnership drives innovation, revolutionizing how businesses operate and individuals interact with technology, ultimately shaping the future of various sectors in the digital era.

✓ Customized Predictive Analytics Models :

Developing tailored predictive models to help businesses forecast trends, identify potential risks, and make data-driven decisions.

✓ Real-time Data Monitoring and Alerting Systems :

Building systems that continuously monitor data streams for anomalies or trends, providing instant alerts for proactive decision-making.

✓ Automated Data Cleaning and Preprocessing Tools :

Developing tools and algorithms to automate the process of cleaning, transforming, and preparing data for analysis, saving time and improving data quality.

✓ Predictive Maintenance Solutions :

Implementing AI algorithms to analyze equipment sensor data and predict maintenance needs, minimizing downtime and reducing maintenance costs.

✓ Fraud Detection and Prevention Systems :

Providing AI-based fraud detection solutions that analyze transaction data in real-time to identify suspicious activities and prevent fraudulent behavior.

✓ Data Analytics Consulting Services :

Offering consulting services to help businesses define their data strategy, select the right tools and technologies, and implement data analytics solutions tailored to their specific needs.

CYBER SECURITY

Cybersecurity encompasses strategies, technologies, and practices aimed at protecting digital systems, networks, and data from unauthorized access, attacks, and breaches. It involves implementing measures to ensure the confidentiality, integrity, and availability of information assets. This includes deploying firewalls, encryption, access controls, and intrusion detection systems to thwart malicious activities. Additionally, cybersecurity involves educating users about safe online practices to mitigate human errors and vulnerabilities. With the ever-evolving threat landscape, cybersecurity professionals continually adapt and update defenses to counter emerging risks, such as malware, phishing, ransomware, and advanced persistent threats, safeguarding critical infrastructures and preserving trust in the digital ecosystem.

SECURITY ASSESSMENT

A cybersecurity assessment evaluates an organization's digital defenses through methodologies like vulnerability scanning and penetration testing. It reviews compliance, security policies, and incident response readiness to identify weaknesses. The assessment provides insights and recommendations to enhance defenses, ensuring resilience against cyber threats and regulatory compliance.

A cybersecurity assessment includes several components to evaluate an organization's security posture comprehensively:

- **VA (Vulnerability Assessment)**
- **PT (Pen Testing)**
- **Pre-Assessment (Based on the Industry Standards)**

NETWORK SECURITY

Cybersecurity networks encompass the infrastructure, protocols, and technologies designed to protect digital assets from cyber threats. They employ firewalls, intrusion detection systems, encryption, and access controls to secure data transmission and thwart unauthorized access. Effective cybersecurity networks are essential for safeguarding information integrity, confidentiality, and availability in the digital age.

Cybersecurity network activities encompass a range of actions aimed at protecting digital assets and ensuring network security. These activities include:

- **Forensics**
- **Network Access Control (NAC)**
- **Security Information Event Management (SIEM)**
- **Vulnerability Assessment (VA)**
- **Pen Testing (PT)**
- **Firewall (WGF & NGFW)**

GOVERNANCE, RISK & COMPLIANCE (GRC)

GRC (for governance, risk, and compliance) is an organizational strategy for managing governance, risk management, and compliance with industry and government regulations. GRC also refers to an integrated suite of software capabilities for implementing and managing an enterprise GRC program. We supported multiple Compliance:

- Australia Privacy Act
- CCPA – (California Consumer Privacy Act)
- DISA – (Defense Information Systems Agency)
- GDPR – (General Data Protection Regulation)
- ISO 2700X - (International Standard
- Organization)
- NIST – (National Institute of Standard & Technology)
- SOX – (Sarbanes-Oxley Act)

- Bangladesh Bank ICT Security Guidelines
- CMMS – (Center of Medicare and Medicaid System)
- DOD 8500.X – (Department of Defense)
- HIPAA – (Health Information Portability & Accountability Act)
- MARS-E - (Minimum Acceptable Risk Standards for Exchanges)
- OWASP – (Open Web Application Security Project)
- SOC 2 – (System and Organization Controls 2)

FIREWALL

A firewall is a network security device or software that monitors and controls incoming and outgoing traffic to protect networks from unauthorized access and malicious activities.

- **Next Generation Firewall (NGFW)**
- **Web Gateway Firewall (WGF)**

NAC (NETWORK ACCESS CONTROL)

Network access control (NAC), also known as network admission control, is the process of restricting unauthorized users and devices from gaining access to a corporate or private network.

SIEM (SECURITY INFORMATION EVENT MANAGEMENT) / XDR

Security Information and Event Management (SIEM) and Extended Detection and Response (XDR) are both enterprise cybersecurity solutions. But while XDR and SIEM both pull and analyze data from multiple sources to detect cyber threats, XDR includes advanced cybersecurity functionality.

SIEM systems help enterprise security teams detect user behavior anomalies and use artificial intelligence (AI) to automate many of the manual processes associated with threat detection and incident response.
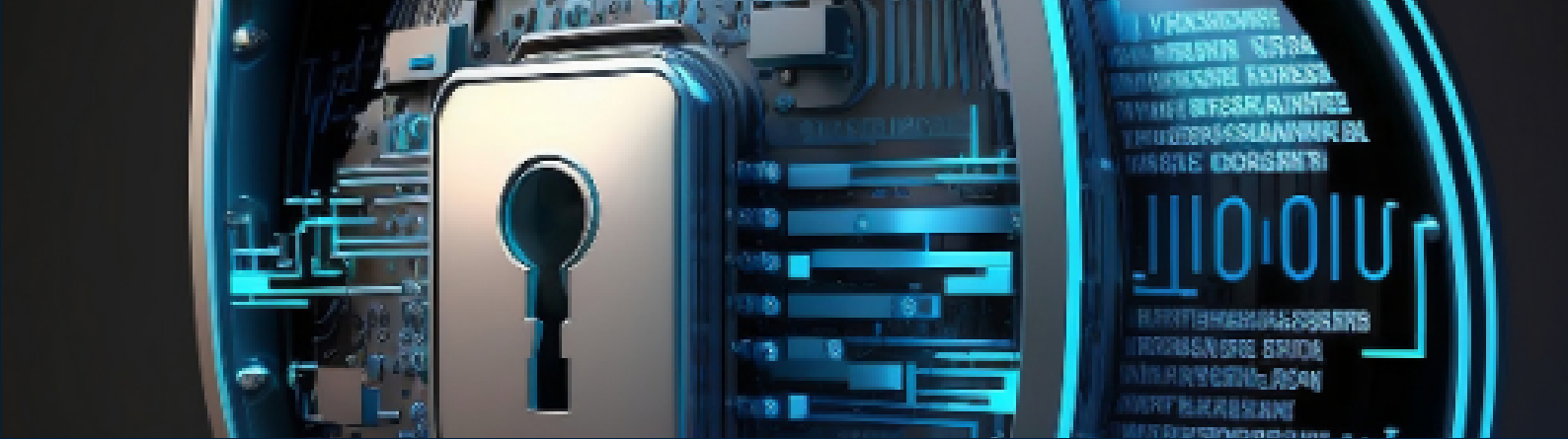
ENDPOINT DETECTION & RESPONSE (EDR)

Endpoint Detection and Response (EDR) is a cybersecurity solution focused on monitoring and responding to threats on endpoints. It continuously collects and analyzes endpoint data to detect suspicious activities, enabling rapid incident response. EDR enhances organizations' security posture by providing real-time visibility and automated response capabilities at the endpoint level.

- Ransomware
- Malware Protection
- Antivirus
- Email Security
- Endpoint Management
- Mobile Device Management (MDM)
- Business Continuity & Recovery Services (BCRS)

IDENTITY & ACCESS MANAGEMENT (IAM)

Identity and Access Management (IAM) is a framework of policies and technologies ensuring that the right individuals access the appropriate resources at the right times and for the right reasons. IAM systems provide administrators with the tools and technologies to change a user's role, track user activities, create reports on those activities, and enforce policies on an ongoing basis. Key components and features of IAM include:

- Access Management (AM)
- Federated Identity Management (FIM)
- Identity Management (IM)
- Multi/Second Factor Authentication (MF)
- Privileged Access / Identity Management (PAM/PIM)

CONSULTING

Our Consulting approach prepares our clients for success in their respected industry by imparting skills in problem-solving, communication, project management, and client relationship management. Through interactive workshops, case studies, and real-world projects, participants gain practical experience and expertise to navigate the complexities of consulting engagements and deliver value to clients effectively.

- Assessment
- Architecture
- Implementation
- Staff Augmentation

SEMINARS

- Cybersecurity Impact and Challenge
- Email Security and Social Media Awareness
- Bangladesh ICT Guidelines for Financial & Non-Financial Institution
- Endpoint Security
- Importance of Cyber Security Standards for an Organization
- ISMS Awareness for General Employee
- Identity & Access Management
- Data Security
- Business Continuity and Recovery Services (BCRS)
- IT Security for Software Development
- Network Security
- Zero Trust

APPLICATIONS DEVELOPMENT

Software and applications development is the process of creating computer programs and mobile applications to fulfill specific functionalities or tasks. It involves various stages, including requirements gathering, analysis, design, coding, testing, deployment, and maintenance. Developers use programming languages, frameworks, and tools to build software tailored to user needs. Agile methodologies are commonly employed to facilitate iterative development and quick adaptation to changing requirements.

- Accounting
- AI Based Products
- Bonikbook Fashion
- Fund Management
- HR & Payroll
- eGovernace Enterprise Security Manager (eESM)
- Garments Industry Management System (RMG)
- Hospital Information Management System (HIMS)
- Inventory Management
- VAT & Tax

INVENTORY MANAGEMENT

Inventory Management software is a type of software that helps businesses track and manage their inventory. It can be used to track the quantity of products in stock, the location of products, and the costs of products. It can also be used for sales, purchase, supplier & customer tracking, and product management. Implementing inventory management software can result in significant time and cost savings, improved accuracy, and enhanced overall efficiency for businesses involved in managing and selling physical goods.

- Bonik Book (Business Management Software)
- Bonik Book Fashion (Clothing Shop Management Software)
- Easy Riders Digital Solution (Motor Bike Showroom Management Software)

HEALTH INFORMATION MANAGEMENT SERVICES (HIMS)

A & A HIMS is a recognized software house specialized in delivering total health care solutions for Hospitals, Clinics, Nursing Homes Diagnostic Center and Pharmacy's. Our solution is a fully online web-based, and/or on-premise end to end health care management for medical institutions. The information is available anytime, anywhere. Our solution is a user friendly, and highly versatile solution in the industry. It is a comprehensive health care solution cover A to Z to maintain a hospital in piece of mind.

WEBSITE DESIGN AND DEVELOPMENT

Website design and development involve creating visually appealing and functional websites. we design and develop like Business website, portfolio website ,ecommerce website and custom requirements website. Any website design and development data gathering, planning, design, development, content creation, testing, deployment, and maintenance. Designers focus on user experience, while developers implement features. Testing and adjustments after we do any website development

Ensure the rest, and ensure maintenance safety and performance. We provide website domain hosting.

ORACLE DATABASE

Oracle Database is a relational database management system (RDBMS) developed by Oracle Corporation. It is a powerful and widely used database system that provides a comprehensive and scalable platform for storing, managing, and retrieving data

SEMINAR & TRAININGS :

- Oracle Database : Security Implementation
- Oracle Database : Audit Vault and Database Firewall
- Oracle Database : Administration Workshop
- Oracle Database : SQL Workshop
- Oracle Database : Data Guard
- Oracle Database : Real Application Clusters With ASM

SUPPORT METHOD :

- **A & A Silver** : 8:00 AM – 5:00 PM (5 Days a Week Excluding Friday & Saturday)
- **A & A Gold** : 6:00 AM – 6:00 PM (7 Days a Week)
- **A & A Platinum** : 24 X 7 X 365 (Except Government Holiday)

Our hardware and software support structure also based on three different level, and they are:

- Level 1 – Basic Support - Troubleshoot over the phone.
- Level 2 – Intermediate Support – Our support engineer involves developer or product manufacture engineer involve troubleshooting customer issues over the phone.
- Level 3 – Advanced Support – We involve our advance support when the developer or product manufacture engineer/developers identify as product defect, which we may require to develop fix to solve the immediate issue.

With our resources and expertise, we can provide software support to the local market.

AUTOMOTIVE:

AVIATION :

DEPARTMENTAL STORES :

EDUCATIONAL INSTITUTIONS :

FINANCIAL INSTITUTIONS :

GAMING INDUSTRY:

GOVERNMENT :

HEALTH CARE :

HOSPITALITY INDUSTRY :

INSURANCE INDUSTRY :

OIL & GAS INDUSTRY :

SPORTS :

TECHNOLOGY :

TRANSPORTATION:

STATE & LOCAL GOVERNMENT :

OUR PARTNERS

amazon BROADCOM CISCO CYBERARK DELL EMC² DocuSign

Dropbox dynatrace EC-Council FireEye ForeScout FORTINET veeam

Google! hp IBM Kaseya Lenovo Microsoft

netwrix NPN NUTANIX PARTNER NETWORK okta ORACLE paloalto NETWORKS

proofpoint Qualys PRODIGI Raptas Software Inc. redhat

RSA SailPoint SDL Sys Dev Ltd. STEALTHbits TECHNOLOGIES symantec tenable network security

TREND MICRO splunk IBM Watson sps

AFFILIATIONS

AFCEA BASIS Bangladesh Association of Software & Information Services CYBER SECURI ASSOCIATION OF MARYLAND. SAME CENTENNIAL BITPFC Leading the Digital Revolution

Certified SBA WOSB Woman Owned Small Business AMERICA'S SBDC U.S. Chamber of Commerce

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