**James Bennett**

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*Cloud Systems Administrator*

I am a customer focused, experienced and professional Systems Administrator, with experience in User support, Network Infrastructure, Virtual and physical environments, Security, Windows & Linux operating systems and scripting. I have a professional outlook with an attention to detail along with a genuine interest in staying up to date with all things IT.

**Technical Skills**

Windows OS: Windows Server up to 2016 & 2019

Application Servers: IIS, Apache

Unix & Linux: Ubuntu, CentOS, Debian

Scripting: Powershell, Python, CLI

AWS: EC2, S3, Route53, CodeDeploy, CloudDeploy, RDS, CloudFront, Cloudformation

Azure Services: Office365, Exchange Online, Sharepoint Online, Azure AD

Virtualisation: Docker, Hyper-V, VMWare

Databases: SQL, MySQL

Other: Network Design & Troubleshooting, Disaster Recovery, Information Security

**Courses & certifications**

AWS Certified Solutions Architect – Associate (SAA-C01) - [AWS00644402](https://www.certmetrics.com/amazon/public/badge.aspx?i=1&t=c&d=2019-12-09&ci=AWS00644402)  
MCSE 2016 Cloud Platform and Infrastructure [ID:3194426](https://www.youracclaim.com/badges/c241cfab-8e1f-4e87-8b06-cd8b39d44dd0/linked_in_profile)  
Studying for Cisco Cyber Operations CCNA  
  
  
MCSA – Server 2003/2012  
Microsoft TechNet - [TechNet Profile](https://social.technet.microsoft.com/profile/james%20bennett1/?type=forum) (PowerShell + SQL)

**Employment History**

**Kymab Limited  
July 2019 to on-going**Systems Administrator

Planning and implementing AWS, Office 365, azure and Infrastructure projects in a highly security orientated hybrid cloud environment. Day to day duties include designing AWS Cloud architectures and infrastructures for our AWS hosted scientific Data platform, where I am using AWS EC2, Route53, CloudFront and CloudFormation along with CLI, PowerShell SDK and Python to deploy services and automate builds and tasks.

* Integrating On-Premise Federated and Azure cloud environment to facilitate the adoption of Office 365 including features such as Azure AD Connect, Azure Active Directory, MFA and Conditional Access.
* Proactive management of a Clustered VMWare vSphere 6.0 environment integrated onto fiber channel HA Hitachi and QNAP SAN in excess of 50TB of storage. Running a cross site backup architecture using Veeam Backup and Replication.
* Security patching and Management of all varieties of the 75+ servers with a distribution of about 70/30 of Windows 2012/16 and Linux Ubuntu 16/18 Servers, all running in a Windows Active Directory domain and Samba environment. Managing the Cisco, SonicWall and HP Network infrastructure.

**IDTechEx**  
**June 2017 to July 2019 – Systems Administrator**

I am a passionate, customer focused Systems Administrator currently working in a cloud focused technology consultancy where my main project goal is to migrate legacy systems to both the AWS and the Azure cloud. My day to day responsibilities include support of all users, which typically involves Office 365, laptop and VPN queries, upgrades and migrations. Managing the virtual, network, server infrastructure and company database drive website.

* Our frontend website runs in AWS and utilizes lots of the AWS services including RDS as the SQL backend, SES to send corporate marketing emails and Route 53 which hosts over 50 internet Domains, S3 and EC2 instances.
* I’m manage many aspects of AWS with self-developed, bespoke scripts written in PowerShell, to automate snapshots and backups, database manipulation and some DevOps processes to keep staging and live environments in sync.
* I keep up to date with other cloud technologies including Azure as these systems are used for development and testing and have successfully migrated over 65 Cambridge and remote based users to office 365.
* Other aspects of my role are security focused and include services like Eset and Mcaffee Anti-Virus, VPN, Public Key Infrastructure for remote workers using Sonicwall SOHO routers and patching and monitoring of key systems.
* Although predominantly a Windows house running 2008 server to 2016, I also manage some Linux machines running Debian, Ubuntu and CentOS which host various web applications such as a Wiki’s and helpdesk software running Apache and MySQL.
* The virtual environment on which most of the infrastructure sits, runs on a mix of hypervisors including Hyper-v and VMWare with a mix of storage including HP and Dell.
* Internally the network infrastructure runs in a 2012 Windows domain and on an Exchange 2010/Office365 hybrid configuration, a mix of Cisco and HP switches and a newly installed Cisco ASA firewall.

**QAV Limited**   
**July 2013 to March 2017 – IT Systems Manager**

QAV are a Production Agency that creates live events and conferences. I am part of a Media and Development Team that offer pre and post production services from stage events that include filming, Sound and video editing plus development of bespoke eLearning websites. As the IT Manager, I am responsible for all IT Systems and processes that QAV depend upon.

* I managed the web infrastructure, the security and network infrastructure and the virtual environment. I managed budget and strategy, designing systems based on client requirements, planning upgrades and integration with existing web, cloud and application infrastructures.
* I implemented ISO 27001 security standard for all working IT systems and business processes; this meant all systems had corresponding processes and procedure that conformed to the, outside audited, ISO 27001 Information Security standard.
* As part of the IT strategy, I implemented a secure hyper-converged infrastructure running on Hyper-V 2012 R2, capable of hosting both Linux and Windows guests. Storage, was handled by a large iSCSI HP MSA 2040, with Microsoft Clustering giving high availability.
* I manage a large web presence that is powered by both Microsoft IIS and CentOS Apache web servers. The infrastructure services complex database driven eLearning applications written in PHP and ColdFusion.
* I was also responsible for development of internal business logic web database applications that are written in ASP.Net and PowerShell. Such applications hold cross database, Symantec information on service, warranty, NDA, budget information.
* Managing third party external companies, Disaster Recovery, Projects including migration of email to Azure, specification of IT infrastructure into new buildings and the integration of new companies into the existing network. Managing multi-site AD and VPN

**Royal Society Chemistry Network and Internet Analyst**  
**April 2011 to July 2013**

Responsible for the Enterprise web infrastructure used to host the RSC's large dynamic web presence. Working within the Agile Development Team, my input into the team was responsible for the design and best practice configuration, deployment and DevOps of a Web Farm running both IIS and Apache Web Servers.

* Acting as an interface between development and the hosting environment my key objectives were to debug, quality check, security & sanity check release of code written in ASP.Net and WCP and XML. Performing upgrades to systems at both the database and code level.
* I also managed a pair of Riverbed Stingray traffic managers (formally Zeus ZXTM) to load balance, offer high availability and apply a complex rule set (Via Traffic Script) for web services and common Internet protocols including HTTP, HTTPS, DNS, FTP and SFTP allowing a highly scalable, resilient, centralized managed web layer.
* Due to the sensitivity of the infrastructure Development, UAT Testing and Live environments were run simultaneously to assure upgrades were tested ready for UAT testing and live deployment.
* Management of the Network Infrastructure typically included network management, VMware server provisioning of storage and application and infrastructure monitoring.

**ACIS (Advanced Communication Information Systems) - Operational Server\Network Administrator**  
**March 2008 – April 2011**

I am currently (was) working in an ITIL environment and am responsible for Management, administration, Integration planning, deployment and configuration of security concerns for the centralized hosted managed service infrastructure than runs ACIS developed applications.

* Applications are designed for public transport real-time vehicle information. Hardware on vehicles communicates information via fixed and wireless networks into servers hosted in London data centers and it was my responsibility, along with others, to make sure customer SLAs were met for the systems using the network infrastructure
* I was also responsible for the planning and integration of customer projects that required secure access into ACISs network infrastructure for RTI feeds. I was also responsible for the upgrade and support of the applications that ran on the web servers that allowed users to access real-time bus information via rich publicly available web pages.
* Responsible for redundant IPSec VPNs, via Cisco and Juniper Routers, from bus stations into ACISs hosted servers via ADSL and over 4G. I looked after the physical and virtual infrastructures which include, redundant Cisco network switching utilizing, in particular Spanning Tree Protocol, Redundant Juniper firewalls (NSRP), Windows Load Balancing and complex Dell and HP server hardware. The network uses VLANs which are used to segment customer equipment from other networks. Networking equipment includes Cisco, Juniper and HP.
* A large part of my time at ACIS was taken up when ACIS bought out a company called Tandata. I was responsible for the integration of their support and delivery facilities into the ACIS Technical Support Services. This large job took over 2 years to complete and involved not just the bus station network integration but also the application integration into the existing ACIS real-time infrastructure. Skills for this included Web, XML and SQL database configuration.

**Foursys – Network Engineer**  
**Sept 06 – to March 08 (Contract**)

**Senior Systems Administrator - TriSys Business Software, Cambridgeshire**   
**Sept 2005 – Sept 2006**

Responsible for a hosted Web Based Recruitment database accessible via Citrix for a full desktop experience and also Browser access that offered a one stop shop for SMB recruiters looking for email hosting and remote file and print along with their recruitment database.

* I managed a Multiuser Disaster Recovery site hosted at a local Data Centre with failover for over 20 different email and DNS customer domains.
* Developing and integrating a security policy into the live customer systems using Group Policy, Firewall Policy, Intrusion Detection, Penetration Testing and best practice.

**Network Administrator, ITIM Technology Solutions, Cambridgeshire**   
**Feb 2004 - Apr 2005**

* Administrative responsibilities for an NT 4.0 Domain and 2000 Active Directory domain for 35 users included support for multiple FTP sites and the company intranet.
* Exchange 5.5 upgrade to Exchange 2003
* Due to downsizing of HQ in London I became responsible for a remote site in London connected via VPN also using Exchange 5.5 and NT 4.0 domain services.

**IT Services Assistant, National Children’s Home, Cambridgeshire**  
**Sept 2003 – Jan 2004 – CRB Clearance**

* Employed as support for the East Anglia region to maintain, upgrade and support various outpost Sure Start offices.
* The role required me to work with Windows Server, email, ADSL, firewalls and users.  
  Uphold and maintain vigilance over sensitive data related to child support and the execution of security protocols on Servers and laptops.
* ADSL and Nokia IP30 firewall upgrade installations for over 10 Offices to replace existing expensive ISDN lines.
* Outsourced to install Microsoft Exchange e-mail servers 5.5 and 2000 into networks and participated in documentation and user training to attain efficient networks for users.

**Network Engineer, AT Communications, Hertfordshire**  
**June 2002 – Aug 2003**

**Junior Systems Administrator, Genome Research, Cambridgeshire.**  
**Feb 2000 – June 2002**

**Education**

BTEC - HNC Business Information Technology   
6 GCSE, Math’s, Chemistry, Physics, Biology, Geography, English Language

**Interests**

* Walking & the outdoors
* Home Improvements
* Multimedia entertainment
* Computers and Code
* Studying for CISSP+ MCS