

Tonino BRUNO - Curriculum Vitae

Job Type: Domain Expert or Consultant or Architect
Job Level: Senior
Main Technology: Microsoft 365 Platform (Azure AD, Office 365, Automation)
Birthday: 09/04/1977
Home Address: Heusden-Zolder, Belgium
Employment Status: Managing Director of B.T. Consulting BV since March 2009.



Updated: 13/08/2024 (v24)

Strengths

- Microsoft 365
 - Leading large and complex Office 365 deployments across (global) enterprises.
 - Specialized in automating O365 migrations following mergers, acquisitions, and divestures, developed a fully automated migration solution for both Hybrid and T2T migrations.
 - Very familiar with Identity and Access Management solutions (MIM, AADConnect, Provisioning Flows, Identity Integrations, OKTA, OAuth, Microsoft Identity framework, ...)
 - Security related topics including GSOC integrations, improving PIAM processes, dealing with sensitive information related to GDPR, application reviews and much more.
 - Specialized in scripting in PowerShell across Azure Function Apps, Azure Automation with Runbooks, multithreading with runspace and LINQ.
 - Integrating scripting with large datasets using Azure Tables, Storage Blobs and Microsoft Azure SQL and SQL Server.
 - Familiar with reporting on datasets using Power BI and its Query language.
 - Microsoft Office 365, Exchange Online & Teams/Skype for Business Online
 - Implement Office 365 Security (including AIP, Conditional Access, PIM, Auditing ...)
 - Phone System with Skype Online + Cloud Connector Edition or Teams Direct Routing with 3rd SBC Gateways
 - Managing Microsoft 365 low-code/no-code services with PowerPlatform, from a governance perspective.
 - Deployment of Copilot for Microsoft 365, Copilot Studio and Azure AI solutions as part of the EAP (Early Access Program).
- Messaging Architect
 - Implementing DKIM, SPF and DMARC including best practices for application relay and bulk mailing solutions.
 - Microsoft Skype for Business Server (with Enterprise Voice and PBX integrations)
 - On-Premises Exchange deployments & migrations up to Exchange 2019
 - Microsoft Certified Master for Exchange 2003 through 2013
- 25+ Years of being a subject matter expert in Exchange deployments and migrations
- Broad Area of Technical Expertise's
 - Infrastructure Components (Storage, Servers, Networking, Security)
 - Active Directory Services (including ADFS)
 - Enterprise Messaging including governances, security, remote access and mobile device management.
 - Multi-Tenant and Service Provider oriented such as offering a global messaging platform for either consumer, businesses or enterprises within a large multi-national organization.
- Excellent in PowerShell automation to facilitate provisioning, reporting and/or migration tasks.

- Part of a large national & international network of subject matter experts (MVP, Masters, Community Leads, Experts, ...)
- Worked mostly on very large complex projects with many inter-team interactions
- Flexible, Skilled, Precise and Persistent
- Solution Oriented
- Ambitious and Team-Player

Technical Skills

- **Microsoft 365 Architect & Lead**
 - Acting as a leader to deliver field experience, best practices and bring different teams across the enterprise together (Business teams, Microsoft teams, Network & Security, Adoption, and operational teams) to ensure a successful deployment of Microsoft 365.
 - Governance on Azure AD including application & identity integrations, implementing a security baseline, provisioning workflows for groups and identities, application consent controls, PIAM, monitoring and auditing.
 - Development with PowerShell using Azure Function Apps, Azure Automation with Runbooks, multi-threading with runspace and LINQ.
 - Building end to end solutions to deliver reporting on large complex datasets into PowerBI, for ex. reporting on 150.000+ Microsoft Teams and Groups in PowerBI to allow security and IT communities to regularly perform security reviews and apply local governance processes.
 - Deploying Exchange Online Hybrid with all the necessary pre-requisites like Identity, Reverse Proxy, Firewall, Certificates, DNS & Exchange config.
 - Deploying Microsoft Phone System integrated with Skype Online Cloud Connector Edition and Teams Direct Routing with 3rd party SBC's.
 - Integrate existing enterprise processes around lifecycle of identities, data & privacy requirements, application integration and so on.
 - Securing Office 365 tenant with best practices like deactivating unnecessary services, MFA controls, monitoring, conditional access, cloud app security, session management, azure information protection, DLP policies for Flow and PowerApps, ...)
 - Promoting usage of Office 365 services across organization, recurring webinars, newsletters, yammer communications, technical presentation ...
 - Following the Microsoft roadmap, reviewing changes and rolling them out across the organization and follow-up.
- **Microsoft Exchange Server and Skype for Business/Microsoft Teams Deployments and Migrations**
 - From Exchange 5.5 to the most recent version (On-Premises and Office 365)
 - From Legacy messaging systems (Domino) to On-Premises Exchange and Office 365
 - From Live Communications Server 2005 to the most recent version
 - Intra-Forest, Cross-Forest, and Cross-Premises and Hybrid Migrations
 - The following is a quick overview of all the work packages I am involved with in most of my projects:

Envisioning	Planning	Build	Deploy	Support
Scoping (Goals and Objectives) Workshops and Presentations Functional and Technical Requirements Vision Architecture	Physical and Logical Design High Availability and Business Continuity (DR) Remote Access (DMZ Reverse Proxy) Mail Routing	Acceptance Tests Performance Validation Functionality Tests Server Build and Configuration Guides Backup / Restore Provisioning	Application deployment Integrate Remote Access Integrate Mail Routing Directory Synchronization Provisioning Co-Existence	Administration Monitoring Support

	Client Access and Namespaces Migration Plan	Operations, Monitoring and Reporting Migration Procedures and Communications		
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- **Active Directory Services (Security and Identity Management, DHCP, DNS, GPO, ...)**
- **Active Directory Federation Services (ADFS)**
- **Web Application Proxy (WAP)**
- **Windows NT4.0 up to the most recent version of Windows Server (Windows Server 2022)**
- **Identity as a Service platform (IDaaS) such as Azure Active Directory and OKTA**
- **Infrastructure as a Service platform (IaaS) with Azure (Networking, VPN, Virtual Machines, ...).**
- Windows Server Hyper-V Virtualization & System Center Virtual Machine Manager
- Windows Server High Availability and Disaster Recovery Concepts (Failover Clustering)
- Microsoft Multi-Tenant Solutions (Legacy HMC 2.5 - 4.5 + 3rd party solutions)
- Basic knowledge:
 - Microsoft SQL Server
 - Microsoft SharePoint
 - Microsoft Dynamics CRM 4.0
 - Microsoft Identity Information Server & Forefront Identity Manager
 - Microsoft Data Protection Manager
 - Microsoft System Center Operations Manager
- Networking
 - CCNA certified so basic knowledge on CISCO Routers, Switches, Concepts, etc.
 - An understanding of typical components involved in Mobility such as EMC Airwatch and MobileIron.
 - Reverse Proxy/Network Load Balancing solutions such as Juniper, F5 and Kemp
- Scripting & Development:
 - PowerShell
 - ASP.NET
 - Visual Basic
 - VBScript
- Obsolete Products:
 - Forefront Protection 2010 for Exchange Server
 - Forefront Protection Management Console 2010
 - Microsoft Threat Management Gateway 2010 (TMG) and Microsoft Unified Access Gateway 2010 (UAG)
 - Office Communications Server 2007 (R2) & Live Communications Server 2005
 - Cisco Unity (Voicemail Integration with Exchange Server)
 - Cisco Presence Server integration with OCS & Lync (RCC and Lync Add-in Scenarios)
- Outdated Skills:
 - Citrix (Deployment and Support)
 - Linux (Basic OS Skills)
 - AS/400 (Development and Operations)
 - HP EVA + XP Storage + CLX

Non-Technical Skills

- Familiar with different operations and engineer frameworks such as:
 - Microsoft Services Framework Model v3
 - ITIL v2 Foundations Certified
- Building Inter-Team relationships

- Excellent Presentation skills
- Excellent writing skills
- Familiar with Risk assessments and Change Request Process
- Technical Lead for a team of 17 experts in various domains.
- Project Budgets/Effort Estimations as well as risks and resource requirements
- Creating Statement of Works, and pre-sales solution development for tenders.
- Motivated, Experienced and always Solution Oriented

Spoken Languages

- Dutch: fluent
- English: fluent
- French: Good

Education and Certifications



Exchange Server 2010
Exchange Server 2007

Microsoft Certified Master: Exchange 2013

Microsoft Certified Master: Exchange 2010

Microsoft Certified Master: Exchange 2007

Microsoft Certified Master: Exchange 2003

MCSA Windows Server 2012

MCSE Messaging

MCITP Exchange 2010 Messaging Administrator

MCITP Exchange 2007 Messaging Administrator

MCTS Windows Server 2008

CISCO Unity Support Specialist

Microsoft Most Valuable Professional (2010-2012)

MCSE NT 4.0 + 2000 + 2003

MCSA 2000 + 2003

MCSE 2003 Messaging

CCNA (Cisco Certified Network Associate)

HP APS (Accredited Platform Specialist)

Work Experience

Current engagements

June 2018 – Current: Microsoft 365 Stream Lead @ ENGIE

Promoted in June 2018 to lead the Microsoft 365 deployment (Build) across ENGIE worldwide (+/- 170.000 users) as part of the DDSI (based out of Paris). As Lead for Microsoft 365 I report to the ENGIE Group Infrastructure CTO & CISO on a weekly basis and with the ENGIE Group Deputy CIO on monthly basis. I report on a weekly basis, the progress of the various activities of the different projects I manage with various experts in my team, the issues that are raised, the next activities that are planned. I also participate in a weekly meeting with the other DDSI Ensemble program streams that are leading the global rollout of OneNetwork

(interconnecting all sites to a global backbone for ex.), OneAccess (rolling out and securing our Cloud Identity across the group using OKTA for ex.), GSOC (integrating various services with SPLUNK for ex.), Office 365 RUN (status on incidents, needs to improve service reporting & monitoring, ...). I also develop the Office 365 roadmap for the next year which includes the vision of my stream, the main achievements/improvements, the projects and resources required to get there along with the budget and risks.

In addition, I continue my role as Architect but now with the legitimacy/responsibility to lead the various teams to develop and secure solutions that integrate with Office 365. This role expanded my involvement in more than Messaging only and covers Azure AD, Intune, Teams, SharePoint, OneDrive, PowerApps, Flow and moving to Windows 10 to complete the Modern/Digital Workplace solution. I also take lead in developing governance around naming conventions, security controls, identities, and introducing new features and changes as they are announced by Microsoft.

As part of the Office 365 stream there is also a new sub-stream included to secure the platform to protect our assets from the modern threats like password spray attacks, phishing etc. This includes hardening of Office 365 to ensure that data remains on corporate devices (as much as possible, ex. Restricting OneDrive to domain joined workstations), enforcing MFA & Terms and Conditions for Guest accounts, promoting the use of Azure Information Protection (AIP), disabling legacy authentication protocols to ensure MFA is correctly applied, reviewing identity lifecycle to ensure that provisioning and de-provisioning is working as securely as possible, and much more.

November 2020 started preparations of a major restructuring within ENGIE where 70.000 are carved out into a new M365 Tenant. My role was to architect and develop a migration factory that migrated Exchange, OneDrive, Teams Telephony, Licensing from ENGIE to the new M365 tenant in a fully automated way along with a planning system that allowed schedulers to plan the migration together with local IT representatives and their business users. In addition, I also architected the inventory solution including a PowerApps that allowed local IT representatives to indicate which M365 resources (Exchange, Teams and SharePoint) had to be put in scope of the migration and which ones out of scope (archived or deleted).

I have been responsible for the delivery of the following projects:

- Securing Office 365 with hardening of default settings, implement MFA & Terms and Conditions for Guest Accounts along with an identity lifecycle and Azure Information Protection. Disabling Legacy Authentication for Exchange Online and help local IT organizations to remediate their legacy apps to support Modern Authentication.
- Transition of the existing IronPort solution towards Proofpoint from RFP phase to implementation and migration.
- Transition of AirWatch MDM solution towards Microsoft Intune for 60.000 devices.
- Transition of Cisco on-premises telephony towards Skype Online Phone System (CCE), and now moving to Teams Direct Routing
- Transition of SMIME towards Azure Information Protection (AIP)
- Transition our Ensemble Hybrid Identity design towards a Cloud-only design including full cloud provisioning of identity and services (removing dependencies like AADConnect & Exchange hybrid).
- GSOC integration with Office 365 (SPLUNK)
- Migrations cross tenant, Exchange hybrid and others as part of the various mergers, acquisitions and divestures ENGIE goes through on a regular basis.
- Deployment of Copilot for Microsoft 365, Copilot Studio and other related AI services
- Going through various evergreen related projects such as the migration of Yammer to Native Mode, decommission Basic Auth and so on...
- Migration of our Identities to become full cloud mastered

June 2016 – 2023: as a Contracted Vendor for **Microsoft Services (MCS and Premier)**

- **Belgian Ministry of Foreign Affairs (MOFA):** migration from Exchange 2010 towards Exchange Online using an automated PST migration factory I developed for them. In addition, we worked on provisioning flows, identity & access management, securing Azure AD, integration of printer and applications with Exchange Online and so on.
- **European Asylum and Support Office (EASO):** delivering various projects ranging from Exchange 2019, Migration to Exchange Online and Implementing Azure Information Protection.
- **European Securities Markets Authority (ESMA):** Implementation of Exchange Hybrid (Including AADConnect and Exchange EDGE servers), provisioning processes, and a migration from Exchange 2010 to Exchange Online using a migration factory I developed for them.
- **European Commission (EC):** Finalized the Vision and Scope for the transition of their existing Exchange 2010 environment, with 80.000 mailboxes, towards the Exchange Server 2016.
- **Infrabel:** Worked with the messaging team of Infrabel to help design the next generation messaging platform based on Exchange Server 2016 and migration to Exchange Online.
- **Belgian Post (BPOST):** Worked with the engineer team of BPOST in a series of workshops to help engineer their vision and deployment of a “hybrid messaging platform” with Exchange Online (Office 365).

March 2016 – June 2018: Office 365 Messaging Architect @ ENGIE

As a messaging architect I am working together with a team of designers and architects to develop the corporate messaging service infrastructure that is built around a hybrid approach using Office 365 workloads with Exchange- and Skype for Business Online along with an on-premises deployment of Exchange Server 2013. The ultimate goal is to bring together all 200.000 workers across the 600+ entities within the ENGIE group (formerly known as GDF SUEZ) into a single collaboration platform based on Yammer, Sharepoint, Skype for Business Online and Exchange Online. To accomplish this, we need to develop onboarding/migration approaches (identity federation, synchronization, mailbox migration and so on) for the various legacy messaging systems that are used at those entities. These legacy messaging systems range from legacy Exchange systems (2013-2003), Lotus Domino, Google and even other Exchange Online tenants.

My role is to develop the approach from both a business processes and technical point of view to help prepare each of the entities for:

- The pre-requisites to move towards Office 365 (DNS, PKI, Firewall, Network, Federation, client requirements)
- Prepare the legacy messaging systems for the migration
 - develop inventory scripts to assess the current environment and prepare the remediation actions.
 - Assist with the upgrade and publish of requires Exchange services to support the migration scenario selected.
- Once analysis of the assessment is done we use either:
 - Microsoft FastTrack for Domino migrations.
 - Simple MRS for Exchange 2010+ based platforms.
 - BitTitan MigrationWiz for Exchange Online based migrations.
 - For all other custom procedures using PST Export/Import processes.
- Provide a complete migration factory based on PowerShell scripting to optimize the migration process and increase the throughput of the migration with a minimum of efforts and errors.
- Assist with the integration of the service provisioning portal, reporting and support of the global and local IT teams.

- Help drive adoption of the difference services within and across the entities (such as Office 365 groups).

Throughout the entire migration phase, I'll be also helping with the service improvement, troubleshooting complex issues, and introducing new services to bring the “new world of working” to the ENGIE group and enhance the collaboration experience and productivity!

Previous engagements

November 2018 – May 2019: Office 365 Architect @ Nubex

Partnering with Nubex to complement their existing cloud expertise with my Office 365 experience to help lead their strategic customers with a successful journey to the cloud:

- **FN Herstal:**
 - We started by delivering workshops to move towards Office 365, including onboarding of identities with Azure AD Connect and moving Exchange mailboxes to Exchange Online. We discussed the various security concerns like protecting corporate data with encryption keys, restricting access from untrusted network/devices, implementing MFA and the experience when moving mailboxes to Exchange Online.
 - We then started to deploy the most recent Exchange version, implemented the pre-requisites for Exchange Hybrid like reverse proxy, load balancers, certificates, DNS and finally run the Hybrid Wizard to establish co-existence between the on-premises Exchange and Exchange Online.

July 2016 – December 2019: as a Contracted Consultant with **European Parliament (EP)** (through B.T. Consulting bvba)

- Deliver the Exchange 2019 design and transitioning procedures.
- Delivering the Exchange 2016 design including the deployment and transition procedures for their Exchange 2010 environment across multiple datacenters/countries for all 19.000 mailboxes. My role was to assess the current business, security, and operational requirements, propose the most cost efficient and secure solution, and help EP to prepare themselves for the transitioning process.

March 2015 – June 2016: as a contracted Presales Solutions Architect with **Fujitsu Technology Solutions** (through ICT-Solutions Sàrl)

- **European Asylum Support Office (EASO):** Supporting the local team in Malta in complex support issues and prepare the physical migration a part of the messaging infrastructure to a different datacenter to make their messaging solution compliant with their DRP requirements.
- **Presales Activities** which includes:
 - **Working on RFI/RFP requests** related to Microsoft Technologies (such as Exchange, Skype, Active Directory, Office 365, ...)
 - Develop solutions that match customer's technical and non-technical requirements
 - Match solution components to Fujitsu solutions portfolio
 - Provide cost and benefit calculations
 - Participate in workshops to align parts of the solution with the overall proposal
 - **Delivering workshops**
 - Present our Microsoft Services and Solutions portfolio to customers and internal sales teams
 - Present some technical solutions for a specific problem to the customer

- Increase knowledge and experience by delivering technical workshops to our delivery teams
 - **Knowledge Management**
 - Increase awareness of various Microsoft Technologies by consolidating various newsletters, twitter feeds, blog posts to ensure the sales and delivery teams are aware of the latest trends, announcements and understand Microsoft strategy.
 - Build technical delivery documents and other re-usable content in order to provide both a consistent and high quality delivery of a Microsoft engagement.
 - **Coaching**
 - Work with the delivery consultant and provide guidance and support during various engagement
 - Consult with the people manager(s) and provide guidance around needed technical and non-technical skills, trainings and certifications.
- **YPTO (09/2015):** As an Office 365 Collaboration Architect I am responsible to ensure the transition of all the collaboration workloads, such as Exchange, Lync and SharePoint, from the legacy infrastructure at Infrabel towards a greenfield organization integrated with Office 365. My tasks include the definition of the architecture for:
 - Active Directory and Azure AD Connect
 - Hybrid Deployment with Exchange 2013
 - Cross-premises co-existence
 - SSO solutions using ADFS and/or Trustbuilder
 - Workplace optimization to consume these workloads from on-premises workstations and mobile workforce.
 - ...
- **MOFA (06/2015):** Project lead to support MOFA with their design, deployment and migration to Exchange Server 2010. Part of my task is run through the high-level design and deployment guides with the customer, support the Fujitsu delivery consultant and perform the quality assurance.
- **SWIFT (06/2015):** assist the infrastructure team to perform Active Directory remediation tasks such as building a disaster recovery process and document, clean-up of stale accounts, review of permissions, scripting reports, auditing, replacing 3rd party provisioning tools with native tools and scripts.
- **ELIA:** supporting the technical teams in validating Exchange designs, providing technical workshops, performing health checks and remediation's.
- **ING (08/2015):** provide technical input to develop migration strategies to onboard various regions of ING (Americas and Asia) into the centralized messaging service in NL. These migration strategies not only include capacity and cost planning but also introduce new services such as email archiving, journaling and eDiscovery.

December 2014 – December 2016: Skype for Business Architect for Realise-Cloud

- **Build and Run a Private Cloud platform for Enterprise Voice capabilities for SME's**
 - based on Skype for Business 2015
 - SIP trunking with InterRoute
 - Porting of existing numbers to interroute
 - Deployment and configuration of Polycom devices (V VX600, V VX30x, ...)
 - Various workflows with Response Groups

March 2010 – June 2015: as a Contracted Vendor for Microsoft Services (MCS and Premier)

- **ORES:** Design a SAML Authority using ADFS to support federation with a number of SaaS Service Providers. The objective was to research the best possible solutions to fit within ORES security requirements and a number of known SaaS Applications and present these to the architecture board for further implementation.
- **EASO (Asylum Support Office):** Planning, deployment and migration of Exchange 2010 to Exchange 2013 on-premise. Including the deployment of TMG 2010, EDGE Mail Relays, Backup and Monitoring, Networking and Security for a multi-datacenter architecture.
- **ECA (Court of Auditors):** Planning, deployment and migration of Lotus Domino to Exchange 2013 using Binary Tree Migration and Coexistence software.
- **FRA (Fundamental Rights Agency):** Planning, deployment and migration of Exchange/Lync 2010 to 2013.
- **EIB (European Investment Bank):** Planning and deployment of Exchange 2013 and supporting the migration from Exchange 2010.
- **ATLAS COPCO (2014):** Being the technical delivery consultant working with the customer to deploy the ADFS and Dirsync services to integrate their existing Domino environment with Office 365. In addition as worked together with Binary Tree to deliver the co-existence solutions (Free/Busy and Mail Routing) and Migration using Binary Tree hosted migration services.
- **EUROPEAN PARLIAMENT (2013-2015):** Acting as the dedicated support engineer I assist the EP operational teams manage and support Exchange 2010. This includes the troubleshooting and resolution of Exchange/Outlook related issues but also improvements in operational processes, disaster recovery and service enhancements such Exchange Message Records Management, Message Security, Mail Routing, Directory Synchronization etc.
- **CLEARSTREAM (LUX) (2013-2014):** Acting as the subject matter expert in multi-tenant solutions I am providing the customer with a complete multi-tenant architecture meeting all of their requirements. In addition I am assisting the customer with the delivery of the solutions, the validation and the integration with 3rd party components and the control panel solution.
- **EUROPEAN EXTERNAL ACTION SERVICE (EEAS) (2013 – 2014):** Working as the dedicated support engineer I provide the customer with the proper guidance (processes, best practices, migration support and general technical guidance) to migrate their existing Exchange 2003 platform to Exchange 2010. In addition I am also working with them on the consolidation of several isolated Active Directory and Exchange platform towards a centralized platform (cross-forest migrations).
- **TI Automotive (2013 – 2014):** Working as the subject matter expert assisting with the architecture of the new Exchange 2010 platform, the validation and support, the migration process and scripting from Exchange 2003, customized RBAC implementation for their regional IT staf and assisting with the integration of 3rd party components (Remote Access, Network Load Balancing, Backup, Monitoring ...).
- **EUROPEAN SCHOOL (EURSC) (2013-2014):** Performing the design for a new Exchange 2013 (greenfield) platform with a hybrid integration to Office 365. In addition also performed the scripting and process for a cross-forest migration from Exchange 2003.
- **POST Luxembourg (PT) (2013-2014):** Providing guidance for the architecture of a new Exchange 2013 platform and the validation afterwards.
- **EUROPEAN LARGE SCALE IT SYSTEMS (EULISA) (2013-2014):** As the Technical delivery consultant I was in charge of the design of a greenfield Exchange 2010 platform, the integration with 3rd party components (remote access, backup, etc.) and finally the cross-forest migration and directory synchronization.
- **EUROPEAN COMMISSION (EC) (LUX):** Working with EC to deliver an Enterprise Voice with IM/Presence solution for approx. 6.000 users using Lync Server 2010 and NET gateways. My role is to provide technical assistance on Lync and ensure a smooth integration within the IT environment of EC.
- **EUROPEAN PARLIAMENT (EP) (LUX):** Assisting Orange Business Services in delivering a very complex Exchange 2010 architecture for 25.000 mailboxes. My role was to provide solutions for specific and complex project requirements, requiring out of the box thinking. In a later phase my involvement

evolved to a “dedicated support engineer (DSE)” role for Microsoft Premier within EP’s Premier Mission Critical (PMC) contract. Within this role I am the glue between the EP operational and project teams and the Exchange support and product teams within Microsoft.

- **EUROPEAN RAILWAY AGENCY (ERA) (Valenciennes):** Lead solutions architect to deliver a transition path from Exchange 2007 towards Exchange 2010. After an initial assessment phase I delivered a global architecture and a project approach/planning for the transitioning. In the second phase I deployed the Exchange 2010 servers and initiated the transitioning by switching mail flow and client access to Exchange 2010. As part of the project I also had to configure the UAG 2010 servers to publish Exchange 2010 Webmail and ActiveSync to the internet.
- **The Global Secretariat of the European Council (GSC) (BRU):** Lead solutions architect to deliver a transition path from Exchange 2003 towards Exchange 2010. Once the initial assessment phase and discovery workshops were completed with the customer’s datacenter teams a global architecture was delivered. Afterwards I assisted the customer with the deployment of the architecture and followed-up with the migration and the decommissioning of Exchange 2003.
- **EUROPEAN COMMISSION (CEC) (LUX):** Being part of the CEC Team as Microsoft Consultant I am responsible for a number of work packages for the Exchange 2003 Transition to Exchange 2010:
 - Exchange 2010 Global Architecture
 - High Availability and Site Resiliency
 - Backup & Restore
 - Mailbox Server Design
 - Administration
 - Client Access Design
 - Transitioning from Exchange 2003
 - Performance and Integration Testing
- **EUROPEAN INVESTMENT BANK (EIB) (LUX):** As the Microsoft Consultant I assisted in creating the functional specifications for their Exchange 2010 architecture. I’ve designed all the components for Exchange 2010 such as the Database Availability Group, Client Access Server & Unified Messaging. I also created the operations guide, installation manuals and configuration guides. Furthermore I’ve assisted the local team with the installations of Exchange 2010 and Forefront Protection for Exchange. And finally I’ve assisted the local in troubleshooting and fine-tuning of the migration from their SUN JES environment to Exchange 2010. The platform was designed for approx. 5.000 Mailboxes
- **EUROPEAN PARLIAMENT (EP) (LUX):** As the Microsoft Consultant I had to create the functional specifications for the transitioning of their Exchange 2003 platform towards Exchange 2010. This included the design for the storage, based on JBOD, the namespace planning, the transitioning strategy, high availability and site resiliency. As this platform covered also covered external access I had to provide the specifications for the Threat Management Gateway 2010 solution in the DMZ. Other components of the solution included SCOM 2007 R2, DPM 2010 and Exchange Unified Messaging. The second part of this engagement was to provide a highly available and site resilient design for Office Communications Server 2007 R2.
- **SOGETI Luxembourg (for European Parliament):** Worked together with SOGETI to install and configure Jetstress 2007 to validate their new Exchange 2003 5-node cluster. After the validation tests and analysis was made and several storage components were optimized such as installing latest HBA drivers, tuning the driver parameters, isolating ports on the SAN etc... In addition I also wrote a new remote access design for Outlook Web Access and Exchange ActiveSync.

March 2009 – March 2010: as a Windows Designer for **Electrabel** ITS part of the **GDF SUEZ** group

- Architecting and maintaining an Exchange 2007 platform with High Availability (CCR+SCR), Remote Access (Juniper, Big-IP and Cisco ACE). The entire design accommodates for up to 140.000 mailboxes

- Architecting and maintaining an OCS 2007 platform with High Availability for IM/Presence. The entire design accommodates up to 140.000 users.
- Provide migration plans for different companies in the Group towards this Exchange and OCS platform
- Provide a voicemail and click-to-dial solution (Remote Call Control) using Cisco Unity Presence Server and Unity Server.
- Main SME for all messaging related activities in the group.

April 2008 - March 2009: as a Consultant with HP Consulting & Integration

- **BELGACOM:** HMC 4.0 Upgrade with Exchange 2007, ISA 2006, SQL 2005, SCOM2007 and Ensim Unify Shared 4
- **ELECTRABEL (GDF SUEZ):** Designer/Architect role to provide Exchange 2007 and OCS 2007 services for the entire group (hundreds of companies and 140.000 mailboxes).
- **FORTIS BANK:** Designer/Architect to provide OCS 2007 services to consumers and employees. First target was to facilitate Fortis ASR Employees and their brokers. Afterwards the platform would be extended for all Fortis employees (60K Users)
- **FORTIS INVESTMENTS:** Designer to facilitate the synergy between FIM and ABN AMRO Asset Management (AAAM). My role was to analyze the impact on the FIM systems, plan for the additional capacity and work out a migration strategy for Lotus Domino (AAAM) towards Exchange 2003 (FIM). At the same time we also arranged the domain rebranding to ensure that all AAAM users where using the new Fortis Investments SMTP namespace.
- Presales on Unified Communications
- Implementing DPM 2007 installations at several customers

January 2003 - April 2008: as a Technical Consultant at HP Technology Solutions

- **BELGACOM:** Technical Lead in an Exchange 2007 Migration Project (25K Mailboxes).
- **SWIFT:** Architect for a DRP/HA project using Exchange 2003 Clustering technology in combination with Storage Replication and failover software (HP CLX) (4K Mailboxes).
- **RTBF:** Architect for an Exchange 2007 Project from Sendmail/Meetingmaker (3K Mailboxes).
- **FORTIS BANK:** Architect for an Instant Messaging Project using Live Communications Server 2005 (NEWCCB Pilot group 300 Users, if successful would extend to the entire Fortis population)
- **THE POST:** Architect for a DRP/HA project using Exchange 2003 Clustering Technology in combination with Storage Replication and Failover Software (CLX) (25K Mailboxes).
- **ING:** Architect for a DRP/HA project using Exchange 2003 Clustering technology in combination with Storage Replication and failover software (HP CLX) (25K Mailboxes).
- **ELECTRABEL:** Technical Lead in an Exchange 5.5 to Exchange 2003 Migration. Performed Server Sizing, Storage Design, Clustering design, Mobility, Disaster Recovery and operational procedures. (25K Mailboxes)
- Delivery of small implementations around Exchange 2003 | 2007 Mobility like Outlook Anywhere and Direct Push.
- Presales Activities for Office Communications Server 2007, Exchange 2007, Hosted Exchange etc.
- Delivered several HA/DRP, Mobility and Product workshops
- Several smaller Projects around Exchange Mobility, Clustering, Implementation Work and Reactive Services.

January 2001 – January 2003: as an Implementation Engineer at HP Technology Solutions

- Some smaller Migration Projects for NT 4.0 / Windows 2000 / Windows 2003
- Some smaller Migration Projects for Exchange 5.5 / Exchange 2000 / Exchange 2003
- Troubleshooting/Supporting Critical MS Cases

- Disaster Recovery Concepts (Clusters, Tuning, High Availability Concepts, Recovery Strategies etc..)
- Acting as a “Technical Consultant” for a wide range of customers in sectors like Financial, Government and Telco.
- Performing regular installations of Network services (Wins, DNS, DHCP), MOM, ISA 2004, Active Directory, Exchange 200x and SQL 2000.
- Implementing Microsoft Clusters combined with Exchange and SQL.
- Implemented a business critical Exchange cluster stretched over 2 datacenters.
- **BELGACOM**: Acting as a “Solution Architect” for a “Hosted Exchange” project covering 150.000 Business Mailboxes. Building upon the solution framework I implemented the entire solution covering Storage (HDS9960), Exchange 2003 on a 5-node cluster, Mom 2000, ISA 2004 in combination with Radware HW Load balancers.
- Acting as an “Account Support Engineer” to support a wide range of Microsoft products for HP’s Enterprise Customers
- Acting as an “Intel Hardware Engineer” for a period to get a good grasp of the “Intel Hardware”.

November '00 – December '00 : CBS Heerlen

- NT Administration
- NT Second Level Support

June '00 – Oktober '00 : ITOC Nestle

- Server and Network Operations
- Team Leader
- Tivoli Helpdesk Tool
- ASP Website Development

3 Months: Coca Cola Enterprises

- AS/400 and Network Operations

3 Months: Interbrew Breda

- Second Line Support for Outlook and NT
- AS/400 Support
- ASP Website Development

12 Months: Coca Cola Enterprises

- First Level Support for Windows9X
- Second Level Support for Networking
- AS/400 Operations and Support
- Novell Support
- Procedures development

3 Months: Ultima

- Provide AS/400 training

8 Months: LSA Zutendaal

- AS/400 RPG Development

December '95 – Mei '97: Buga Autobedrijven

- PC Support
- AS/400 Operations
- IT administration

Independent engagements

Since march 2009 delivering short-term independent engagements to various customers:

- **MIPS (06/2015):** Exchange 2013 health check and remediation's.
- **APAREM GENK (06/2015):** Design and deployment of ADFS to support integration with an internet proxy service called zScaler.
- **GS1 (06/2015):** Design and deployment of Exchange 2013 for their head office in Brussels and support the migration from Exchange 2010.
- **APAREM GENK (12/2014):** Technical guidance and assistance during their AD 2003 upgrade to Windows 2012 R2.
- **XYLOS (10-11/2014):** Delivering Office 365 Infrastructure and migration service to several small and medium sized customers (100-1000 users such as TUCRAIL, ECU-Line, Studio100). Providing planning services to prepare for the deployment of ADFS, WAP, DirSync and the service enablement as well as performing the actual deployment and migration of these services.
- **BELGACOM (2013 - 2014):**
 - Subject matter expert for cross-forest migration approach to onboard large organizations onto their WPAAS platform (PaaS).
 - Assisting in the design and delivery of a new large multi-tenant Exchange 2013 platform with ADFS and same sign-on solutions. Deployment of SharePoint 2010 in a multi-tenant deployment using Microsoft ADFS as claims based authentication provider.
 - Assisting Belgacom in deploying a new Microsoft Wave14 multi-tenant platform. The scope of my engagement was the implementing a private cloud solution with Hyper-V and System Center Virtual Machine Manager 2012. Preparing the storage requirements for Exchange 2010 and validation of the storage solution using Jetstress. In addition provide technical assistance to Ensim during the deployment of Exchange, TMG, Active Directory...
- **ALCOPA/ALCADIS:** Delivered several days of consulting services to help the internal teams with the deployment of Lync 2010 and the consolidation of Exchange 2003 recipient policies.
- **PETROM/OMV Romania:** Worked with the local engineering team to validate the Exchange 2010 architecture. Once the environment was deployed I delivered an on-site quality assurance check to ensure the deployment was completed successfully. Afterwards I assisted in a complete DRP tests between the datacenters in Austria and Romania.
- **SYNTRA West (Brugge):** Delivered the Microsoft Official Curriculum "Upgrading Skills to Transition Exchange 2003 to Exchange 2010" training to various groups of System Engineers.
- **IBS Russia:** Working as an independent SME for one of their largest customers in Russia. I acted as a trusted advisor to help IBS deliver a Microsoft recommended and supported architecture for Exchange 2010. I did a complete assessment of Exchange, Active Directory, TMG, SCOM, VMware and various other related applications to ensure the messaging infrastructure was in an excellent shape to proceed with the transitioning.
- **BNP PARIBAS Investments:** position as the Exchange Messaging Lead for the entire BNP Paribas IP Exchange platform consisting of Exchange 2003, 2007 & 2010 servers for 6.500 Mailboxes. Responsible for the migration to Exchange 2010, improvements in the messaging architecture, working with operations teams, looking after new implementations such as Lync 2010, Journaling, Remote Access Security, migration of OpenText archives into Personal Archives, etc...
- **BNP PARIBAS Investments:** Exchange 2007 Design & Implementation Review

- **BNP PARIBAS Investments:** Worked with the engineering team to deliver a High-Level Exchange 2010 Design for all their offices across the globe. In addition Notes mailboxes, converted to PST's, had to be imported into Exchange 2010 through a script that provided error control and reporting.
- **CMA-CGM ANTWERP:** Disaster Recovery of their entire Active Directory & Exchange 2003 infrastructure
- **BELGACOM:** Implementing Windows 2008 R2 Failover clusters with Hyper-V and Clustered Shared Volumes. Provisioning and management of the Hyper-V cluster is done by using Virtual Machine Manager 2008 R2. I did the design and implementation to allow Belgacom to host Dedicated CRM Guests for their CRM Partners. In addition I also implemented a 4-Node SQL 2008 Failover cluster to support the back-end for CRM. And finally I also did the entire Microsoft Dynamics CRM Deployment including the IFD, CRM Reporting Services and publishing through ISA 2006.
- **GS1:** Implemented an Exchange 2007 environment across 2 geographical sites (Brussels and New Jersey) in a DRP mode using Standby Continuous Replication.
- **BOREALIS:** Designed & Implemented an Exchange 2007 CCR Cluster.
- **COFELY SERVICES:** Deployed a SSO Solution for their SharePoint sites and ASP.NET Applications using ISA 2006.

Other Activities

- User group community lead | <http://www.proexchange.be>
- LinkedIn <http://be.linkedin.com/in/toninob>

Relevant Training and Networking Events

- 2017 – 2019: Microsoft Ignite Conference in Orlando, US
- 2018: Office 365 Datacenter visit in Dublin, IR
- 2016: IT/DEV Connections in Las Vegas, US
- 2015: Microsoft Ignite Conference in Chicago, US
- 2014: Microsoft Exchange Conference (MEC) in Austin Texas, US
- 2013: Exchange 2013 Master Upgrade Training at Microsoft Redmond, US
- 2013: TechEd New Orleans, working at the Exchange Server Booth
- 2012: Microsoft Exchange Conference, Orlando, US: Conference on Exchange 15 & 2010
- 2012: Exchange 15 Airlift, Redmond, US. First insider training on Exchange 15
- 2011: TechED Atlanta, US working at the Microsoft Exchange 2010 Booth, providing visibility to the MCM program and helping out customer design questions.
- 2011: MVP Summit visiting Microsoft Product Groups, Redmond, US
- 2010: Microsoft Certified Master Exchange 2010 Training, Redmond, US
- 2009: Exchange 2010 (Pre-Airlift) Training, Redmond, US
- 2009: Microsoft Certified Master Exchange 2007
- 2008: HMC 4.5 Training – Redmond, US
- 2008: OCS 2007 Voice Ignite - Barcelona
- 2007: Windows 2008 Academy - Bristol
- 2007: ITIL Foundations, IT Service Management
- 2007: OCS 2007 Ignite – Seattle, US
- 2006: Exchange 2007 Academy (Valbonne)
- 2006: 5 Weeks In-Depth “RANGER” training (Redmond)
- 2005: HMC 3.5 Upgrade Training (Redmond)
- 2005: Lotus Notes Migration to Exchange
- 2005: MOM 2005 Deployment and Operations

- 2005: Disaster Recovery Exchange 2003 and Advanced Transports
- 2005: SAN Concepts and EVA Training
- 2005: Exchange 2003 and HP Storageworks
- 2004: Quest Migration Tools
- 2004: Microsoft Infrastructure Security
- 2004: Windows Internals and Debugging
- 2004: Hosted Exchange 2003
- 2003: Windows 2003 Domain Services & Security
- 2003: Exchange 2003 Academies USA
- 2003: Windows 2003 Academies USA
- 2002: Exchange 2000 MS Internals Course (10 days)
- SQL 2000 Administrations
- Designing Exchange 2000 for the Enterprise
- Implementing Windows 2000 Clustering
- 2000: Interconnecting Cisco Networking Devices (ICND)
- Windows 2000 Trainings on Active Directory, Deployments, Networking, File, Print and Web Services
- VDAB AS/400 Operations and RPG Development
- 1995: High School Bookkeeping and Informatics

References

MICROSOFT Services

Function: Technical/Delivery Consultant

Contact: José Carreira, Gert Parijs, Renaud Migeot and Karel Dekyvere

BNP Paribas IP

Function: Exchange Messaging Lead

Project: Migration to Exchange 2010, messaging improvements and support to operations, rollout of Lync 2010

Contact: Gilles METENIER, gilles.metenier@bnpparibas.com

BELGACOM

Function: Solution Architect

Project: Hosted Messaging and Collaboration Platform with hosted services such as Exchange, SharePoint, Blackberry and CRM. Scaled for 150.000 mailboxes

Contact: Pascal De Wandel, +32 (2) 2022288

RTBF

Function: Solution Architect

Project: Design and Implementation of a highly available Exchange 2007 platform for 2.000 mailboxes

Contact: Pol Marchand, +32 (2) 7372532

BOREALIS

Function: Technical Consultant

Project: Implementing of a highly available Exchange 2007 platform for 6.000 mailboxes, including storage cluster extensions for automated failovers

Contact: Peter Van de Kerckhove, +32 (15) 479934

GS1

Function: Solution Architect

Project: Design and Implementation of a highly available Exchange 2007 platform across Belgium and

USA.

Contact: Philippe Vervaet, +32 2 788 78 79

ING

Function: DRP Consultant

Project: Implement DRP Solutions for Active Directory, File/Print & Exchange. With respect to Exchange 2003 we implemented 6 CLX Clusters for 24.000 mailboxes

Contact: Vincent Piedbouf, +32 2 738 36 94 or Rudy Everaert, +32 2 738 26 41

HP

Function: 3d Level Support Engineer

Contact: Philippe Vantuykom, +32 2 729 8687

Function: Technical Consultant

Contact: Wim Van Poelvoorden, +32 2 729 78 27