

# Resumé

## Ennis Ibarra

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Birth date:	May 16, 1969	Born in:	México City
Age:	44	Civil Status:	Married
Work Status:	Currently Authorized to Work in the US	Type of employment:	Direct Hire / Contract negotiable

### Academic Background:

<b>Bachelor of Arts – Licenciatura en Computación</b> Thesis: Metodología de Producción Multimedia (Multimedia Production Methods) Universidad Autónoma del Estado de Hidalgo, Pachuca de Soto Hidalgo ( 1989 – 1994 )  <b>High School – José Ibarra Olivares</b> Pachuca, Hidalgo ( 1985 – 1988 )  <b>COURSES, SEMINARS and Certifications:</b> Patrol Technical Seminar (BMC Houston, TX 1997), SuSE-Novell Showroom (Mexico 2005), Pre-certification LP1101(490pts) Mexico 2004, SLED10 – Update seminar, Teaching Skills (ITESM 1996), System Administration-Unix ,	(UAEH 1991), Computer Systems Auditor (UAEH 1993), Operating System - Unix (UAEH 1990) Certified NetBoss Engineer – Melbourne FL 2006 Vmware ESX – Virtual Center, Santa Fe, NM 2007 StorServer (TSM Appliance) Level 1, CO, 2008 StorServer (TSM Appliance) Advanced Level, CO, 2009 Dell Compellent SAN Advanced Administration, TX 2011 Pink Elephant, ITIL V3 Foundations, (current), Online 2012 UNM (HIPPA training), Albuquerque, NM 2013
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### Language Skills:

Spanish (native language), English (100%) (ITESM TOEFL 1996 598pts), French ( Basic)

### Computer Languages Knowledge:

HTML, AWK, SED, BASH, PHP, MySQL(Basic), PHP, Java (student), Perl (student), Python (basic)

### Software Knowledge:

<b>MS-Windows and DOS</b> Lotus Notes R6, MS – Office, Omnis Studio, VmWare WS, ESXi, ESX 3.5 y 4.X, VMware Vcenter 4.X, StorServer (TSM) Appliance, VirtualBox, BackupExec
<b>Unix and Linux</b> BMC-Patrol Application Management, Datatools - SQL BackTrack, IBM – Tivoli – TSM (básico), Lotus Notes R6, OpenOffice, HP-OpenView, IBM-Tivoli Netview, Websphere (Basic), SLES, SLED, Nagios, NagVis, Cacti, Samba, NMIS, Zimbra, Apache, Tomcat, JMS, iSCSI, OCFS, KVM, VirtualBox, XEN, Plone, Joomla, Oracle Linux v5 and v6, Oracle VM 2 and 3.2, Zimbra 6 and 7, OEM and OVM

### Operating Systems Management:

UNIX ( HPUX, AIX, SunOS, Irix, Solaris, Linux CentOS 5.X, RedHat ES 5.X and 6.X, OracleLinux 5.X, OpenSuSE 12.X, Slackware 13.X), Macintosh OS X, PCs, Windows 200X Server, SLES 10, SLED10, Slackware 13.X, kickstart setup

### Summary of Experience:

- Working on 24X7 Production environments., on call support, and DR actor.
- Performing Oracle Enterprise Linux installation on Oracle Virtual environment v2 and v3.2
- Experience on Provisioning “Private Cloud” Services using several Virtualization Ecosystems and Platforms.
- Extensive experience Oracle Virtual environment. Created Server pool for high availability Virtual machines.
- Experience in Oracle/KVM/Xen and VMware Virtual environment. clusters with SAN backend.
- Experience managing SAN, NAS and iSCSI setups.
- Implementing automated backup strategy using the Linux shell script CRON UTILITY.
- Implemented SAN snapshot, VM Snapshot, Golden Image Cloning, rsync for quick DR and Business Continuity Goals.
- Zimbra Management (6,7), P2P Migrations and integration with Postini (Google)

- Scheduling and monitoring cron jobs for Backups and other activities.
- Knowledge about Shell specifically shell Scripting.
- Support of Informix and Oracle DB Engines from the System Administration POV.
- Linux Kernel configuration to enhance DB Performance and Compliance according to Best Practices.
- Excelled in linux cloning techniques to to perform P2V V2P V2V (on different ecosystems), addressed to aide business goals for consolidation or business continuity mainly.
- Strong Monitoring and Capacity Planning Skills using Nagios, Cacti, OpenNMS and other SNMP compliant tools.
- Kickstart, Network install experience.
- Configuration management and configuration tools experience (cfengine).
- Vmware 3.X, 4.X and 5, Vsphere, Management of VMware ecosystem.

## **Work Background:**

<p><b>2012 — current Private Cloud and Systems Administrator Sr, Contractor, NM, USA</b></p> <p>Currently working at University of New Mexico / Health Sciences Center / Pathology Department. (Undisclosed project) Developed and deployed a "Private Cloud" concept using virtual environments (Oracle VM 3.2 and RHV5) addressed to deliver highly secure services within the "managed" network of UNM-HSC. Developed the full strategy from the ground/up for the complete ecosystem of the project, monitoring, backup, DR and BC, server provisioning, change management, security management, user management, file-sharing, Firewall and Subnet Management. Implemented security best-practices including FIPS 140-2 Level 1 and 2 for highly secure environments, also practices to meet HIPAA and FERPA for systems and mobile devices. Implemented SOA practices and ITIL to document and support processes including knowledge management.</p>
<p><b>2011 — 2012 Network, Systems Administrator Sr, City of Albuquerque, NM, USA <a href="http://www.cabq.gov">www.cabq.gov</a></b></p> <p>Manage over 50 linux servers, used to support applications and services for the City of Albuquerque provided through several Linux systems, amongst them: messaging services email and brightmail, DataBase applications for Oracle, and Plone(Zope), Varnish, Pound, Deliverance web framework applications. We also support virtualization technologies such as VMware, XEN (Through Oracle VM) and VirtualBox. I use different methodologies to align the systems to the business goals. I practice methods to guarantee the business continuity and DR, including P2P P2V, V2V and V2P virtualization migrations, and Disaster Recovery procedures. <a href="http://www.cabq.gov">www.cabq.gov</a> is the website with the most traffic throughout the state, it sits currently in a complex stack of apache, deliverance, varnish proxy, pound load balancer, and zope instances in one server, using my skillset I ported a DR stand by copy to OracleVM environment at a DR site, I perform 2-tiered backups with rsync so that recovery time is granted from what it was from tape backups of 2 hours to 1 minute (20 if the DB 12G is refreshed), I used my own P2V method also to produce development and staging clones for this infrastructure. I use backup linux native systems and commercial systems (Legato and TSM). I coordinate efforts with proper areas (networking, DB and Web engineers) to deliver business services and continuity support. I deal with support and participate with the Control Management Committee. I specialize in Capacity Planning and Monitoring and consolidation of Data Centers through the use of Virtualization and related technologies. Day to day activities relate to DNS, e-messaging, DB servers suport, Monitoring and Continuity addressed actions, in an heterogeneous environment using Windows, Sun Solaris, OracleLinux and RHEL 5.X Linux where alignment to business, business continuity and security are the criteria to providing services and managing IT.</p>
<p><b>2007 — 2011 Network, Systems Administrator Sr, Supreme Court of New Mexico, NM, USA <a href="http://www.nmcourts.gov">www.nmcourts.gov</a></b></p> <p>Managed over 110 linux servers, used to support applications for the Supreme Court of NM, amongst them: messaging services email and mailman, DataBase applications for Informix and MySQL, and Java Tomcat framework applications. We also supported virtualization technologies such as Vmware, XEN and KVM. I use different methodologies to align the systems to the business goals. I practice methods to guarantee the business continuity, including P2P P2V and V2P virtualization migrations, and Disaster Recovery procedures. I use backup linux native systems and commercial systems (StorServer). I coordinate efforts with proper areas (networking, DB and SW engineers) to deliver business services and support for those as well. I deal with support and 2<sup>nd</sup> level support actions with final users. I specialize in Capacity Planning and Monitoring and consolidation of Data Centers through the use of Virtualization and related technologies.</p>
<p><b>2007 Harris Stratex Networks, Field Engineer, FL, USA <a href="http://www.hstx.com">www.hstx.com</a></b></p> <p>I participated as a Field Engineer for NetBoss Installations in Asia, Africa y SouthAmerica. Certified NetBoss Engineer 2006. I supported deployment of monitoring turn-key solutions for various clientele.</p>
<p><b>2003 — 2006 SSI <a href="http://www.grupososi.com.mx">www.grupososi.com.mx</a> Consultant and IT engineer.</b></p> <ul style="list-style-type: none"> <li>• Webmaster for Linux+PHP+Apache+MySQL sites (5 years, currently deploying GPL/GNU apps, and delivering migration from MS-offices to Linux.</li> <li>• Open-Source Systems, Telecommunications consultant and systems engineer.</li> <li>• Linux Trainer for GBM-Nicaragua <a href="http://www.gbm.net">www.gbm.net</a>, DGI (IRS like) delivered Certified IBM courses using SuSE, provided courses and evaluations requested from IDB (Interamerican Development Bank) the project was aimed to update IT technologies for DGI. <a href="http://www.dgi.gob.ni">www.dgi.gob.ni</a></li> <li>• Linux Trainer for GBM-Nicaragua, MECD (Education and Sports Government Ministry), for SuSE and RedHAT platforms to integrate with nationwide infrastructure and multiple OSs. <a href="http://www.mecd.gob.ni">www.mecd.gob.ni</a></li> <li>• Linux Consultant for GBM-Nicaragua, MECD to integrate Linux servers to comply with the existent routing and switching platform based on Catalyst, CISCO Pix, TCP/IP Network.</li> </ul>
<p><b>2002 — TELMEX CECOR certified, customer support call center.</b></p> <ul style="list-style-type: none"> <li>• Provided end-consulting services and follow-up logistics regarding telecommunications TELMEX solutions for voice and</li> </ul>

<p>data addressed to the "C" market level companies (with \$10K-\$90K monthly worth telecommunications invoice).</p> <ul style="list-style-type: none"> <li>• Provided English spoken support and consulting to foreign market for TELMEX telecommunications solutions in Mexico.</li> <li>• Specialized on analyzing and design internet and data networking solutions.</li> </ul>
<p><b>2000 — (present) Webmaster and Web Applications Development Manager</b></p> <ul style="list-style-type: none"> <li>• Webmaster and hosting reseller. CPanel integration for hosting management. Linux RedHat and SuSE webservers, Postfix MTA, spamassassin, GNU and GPL Customized Applications (Joomla, Moodle, Plone, Blogs, etc.)</li> <li>• VPN and extranet deployment based in Linux, Windows and DSL plus Satellite Connections dynDNS and static DNS.</li> <li>• Design and deployment of information workflows based in data connections and information platforms. Sharing strategic information to promote opportunity and value in information management.</li> </ul>
<p><b>2001 – (present) Computer Solutions Project Consultant; Diverse Clientele ; Tijuana, BC</b></p> <p>Sales Representative and Consultant in development and deployment of computer units in companies using Linux and Windows NT frameworks, linkage of branch offices using VPN's through commuted public lines and internet to corporate offices. Implementation of third party Sales Points (COMPUCAJA) in several companies as sales representative and associated consultant of "Computación XXI" – Guadalajara, Jalisco (<a href="http://www.compucaja.com.mx">www.compucaja.com.mx</a>).</p>
<p><b>2000 Computer Solutions Project Consultant; Diverse Clientele ; Pachuca Hgo</b></p> <ul style="list-style-type: none"> <li>• Pachuca Football Club – Athletic High Performance Unit – Used methods such as ISM (Interactive System Modeling), Soft Systems and NGT(Nominal Group Technique) methodologies to help establish and determine individual as well as collective functions and responsibilities of specialized areas within the organization. Deployed the computer framework to share strategic information with every specialized area (Medical, Technical, Physical and Psychological) to help develop the player's skills and performance.</li> <li>• Mexline (<a href="http://www.mexline.com">www.mexline.com</a>) – ISP, Pachuca, Hgo. Deployed Red-Hat Linux Solutions to manage ISP services and applications to help provide dynamic web pages for Web sites, E-business Sales Representative.</li> </ul>
<p><b>1999 – 2000; Grupo Empresarial Maaud – Apparel Assembler ; Systems Manager; Pachuca, Hgo.</b></p> <p>Deployed the entire computer framework using 2 application servers, 1 replication server connected to the Internet and 35 corporate workstations as web as 7 remote workstations (geographically distanced from one another) connected with commuted public lines and internet dial-up connections. Used Microsoft and Lotus Notes Technology. Installed systems for production control in the assembly version. Managed to integrate, using Lotus Notes (v.4.6 y R5), the corporation's strategic information, valuable data for monitoring the production flow in order to make it available to the company's major customers (mainly in United States) and to the most important areas of the company, gathered in 5 production sites geographically distant from one another and the corporate offices. Developed the concepts such as "Information Entity" and "Information Heritage" to conceptually model solutions and then applied to information flow phenomena. Also applied NGT(Nominal Groups Technique) and ISM (Information Systems Modeling, Peter Checkland) to achieve consensus of ideas and define limits between functions of the diverse variety of the information producer areas of the company. Used "Usability Engineering" (Jacob Nielsen) concepts to design human interfaces to help the integration of information systems and final users.</p>
<p><b>1996 – 1998; Grupo de Profesionales en Informática y Soluciones; Ingeniero de Sistemas; México D.F.</b></p> <p>As Open Systems Engineer member I participated in the Open Systems Technology Unit with diverse clientele in different phases of systems implementation, mainly: support to the SALES cycle, testing, evaluation and customizing of Applications to Control and Monitor, Computer Systems Facilities in Open Systems Frameworks (UNIX and Microsoft Win-NT). Amongst the customers I attended, are:</p> <ul style="list-style-type: none"> <li>• Kellogg of Latin América – 1997, Querétaro, Qro.</li> <li>• PEMEX Gas –1997.</li> <li>• Oracle, México – 1997, D.F., México.</li> <li>• TELMEX – 1997, D.F. México.</li> <li>• PEMEX Refinación – 1997, D.F. México</li> <li>• SEARS Roebuck Mexico – 1997, D.F. México</li> <li>• IBM México – Evaluation phase of the integration of the BMC-Patrol Agent with the Netview TM (SMTP) of IBM.</li> <li>• Hewlett – Packard de México – Evaluation phase of the BMC-Patrol Agent with HP-OpenView (SMTP), México.</li> <li>• BITAL – 1997, Toluca, Edo. De México</li> </ul> <p>As a member of the Open Systems team, I received the chance to develop standards for documentation and standards for the training phase to final user of the products installed. I also had to attend consultant services to users in the interpretation of the information acquired through the monitoring systems. I developed inner concept of Network and System Management, I also developed an holistic point of view of the resources needed to support and maintain the high availability of the mission-critical systems, business-mission systems and operating support to companies. While being a member witness the consolidation of the business unit of Open Systems of PISSA with competitive and positive results around total earnings achieved of 3.5 MDD and a 700% growth of the BU.</p>
<p><b>1995 – 1996; ITESM – Campus Hidalgo; Campus Network Manager. Pachuca, Hgo.</b></p> <p>Participated as the network manager of campus network to grant the availability of services in 120 student and professor workstations using NeXT, AIX – RS6000 for mail, ftp and web services. Implemented Linux servers (kernel 1.2 slackware) to support the availability of services of the main services.. Participated during the conversion of the Internet Link from satellital link Bitnet to the actual ITESM Network through E1 links provided by TELMEX.</p>
<p><b>1994 – 1995; BANAMEX (CITI group); Pachuca, Hgo.</b></p> <p>Former participant of the Support and attention services center project, CASA (Centro de Atención y Servicios de Apoyo) with predetermined expiring position of one year, as a Safety and Risk Management Consultant; received the chance to implement global plans to provide standard quality services in security to 19 Bank branch offices, within the Hidalgo-Puebla Region, including Civil Protection Plans, CASA project of Hidalgo merged with Puebla Regional CASA offices at the expiration date of the local project.</p>
<p><b>1989 – 1993; Universidad Autónoma del Estado de Hidalgo; Pachuca, Hgo.</b></p> <p>Developed computer systems in dBase IV and Clipper v.5 for administrative applications, assisted with consultant services to different University units in situations where a project leader was needed to achieve integration between human and technical aspects of information systems; Participated as consultant to develop the University Academic Computer Center (1992), the re-engineering of the Central Library; receive the title as Director of the Research Unit in Computer Systems and Technology, under which I developed special programs to assist different computer systems needs in the modality of products, services and training to users, through a team of people force extracted from students of the same university.</p>

## **Extracurricular Activities:**

I've received the chance in different opportunities to teach computer and english language courses..

- 2002 – Teacher in advanced computer topics, CETYS Universidad, Tijuana, BC
- 2001 – Teacher in advanced computer topics, Universidad Tecnológica de Tijuana, BC
- 1995 – 1996: ITESM – Campus Hidalgo, Teacher of English and Computer Sciences,
- 1993 – 1994: Harmon – Hall Pachuca, English teacher; Pachuca, Hgo.

I've also been interested in activities such as Artistic Photography, Publicity, Drawing, Trail and Route Bicycle, Rock Climbing, Camping and Survival, Multimedia Production, Training and Skill development. Being a parent I keep current on issues related to Environment Preservation, Sustainable Development and Economics.

## **Professional Profile:**

I'm a methodical, proactive and confident to assume leadership professional person. I've had the chance to assume, in an appropriate context, a competitive attitude oriented to goal achievement, with positive results to the companies I've participated with (*specialy PISSA experience 1997 and TELMEX Cecor 2002 in Work Background page 2*), but also maintaining a service attitude and collaboration attitude with the team members I've been integrated with.

## **Actual Professional Goal:**

I'd like to consolidate my professional career, through my integration to a prestigious organization, where my skills and experience can be valued as “**must-have**” ingredients to develop or consolidate business-service units (related to IT) or where it could be a **strong advantage** to develop units related to sell, support or deploy technology within a company or third party customers as well as providers.

Recently I've tackled and gotten involved in modern IT-shops projects with current methodologies and best practices, such as DR, Cloud Delivered Services, SaS, Virtualization and High Availability, where the challenge is basically to keep supporting the current services and infrastructure, whilst moving to a more standardized and aligned to ITIL oriented architecture and services.

I've gathered the experience and knowledge to be committed into obtaining results as a way to measure my performance in the field of labor without having to resign feeling comfortable under conditions where the timing of actions to take and the flexibility to adapt to changes could be also an important ingredient for the job I'd be asked to perform.

I've felt always comfortable to develop my job with the benefit of strong knowledge in technology and I hope to continue self-instruction (or driven) in different levels of knowledge and practice related to IT in the future.