



40 YEARS BOI :::::

Better Organized Information

From a small technical lab to the leading specialist for table management



40 YEARS BÖI
Better Organized Information



I founded BÖI with the claim to offer my customers products of highest quality and my employees secure working places. 40 years ago, it was not foreseeable that BÖI would become the established expert for table management. I am very happy that BÖI has **developed so well!**



Hans Haiböck, founder of BÖI

1979: BOI's Foundation

Hans Haiböck studies “Sozial- und Wirtschaftsstatistik” at the University of Linz, Austria. University projects in statistics and operation research as well as several years of IT working experience, e.g. as system engineer at IBM, are the base for the later product development of BOI.

In July 1979, Dr. Hans Haiböck founds „BOI – Beratungsunternehmen für Operations-Research und Informationsverarbeitung” as an one-man-company. Beneath IT-solutions, statistic and operation research projects are offered by the new company. The first office is located in the Weingartshofstrasse in Linz.

Dr. Haiböck develops a table access and administration system by order of a bank in Linz. The aim of the bank is to store and maintain control data in external tables with high access performance and data security in order to reduce the efforts of the IT-department and decrease costs. These goals could be reached by the BOI product [TABEX TABELLENVERWALTUNG](#). This TABEX version secures already high-performance access to table data and secure and comfortable maintenance and data management of any given IT data.

At the bank, TABEX is in operative use since December 1979. The bank has become a long-standing customer of BOI and now uses TABEX successfully in its 4th version as [TABEX4](#).





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SET „COMPUTER“ AS „MACHINE OF THE YEAR“...



START PROCEDURE „BOI“...

BEGIN

OPEN „BERATUNGSUNTERNEHMEN FÜR OPERATIONS-RESEARCH UND INFORMATIONSV ERARBEITUNG“
USING „DR. HANS HAI BÖCK“
AT „AUSTRIA\LINZ\WEINGARTSHOFSTRASSE\OFFICE“

CATCH „CUSTOMER 1“
IN „BANK“

MOVE TO WEINGARTSHOFSTRASSE...

BEGIN

CALL „OPUS“
PRINT „LIVE IS LIFE“
USING „NANANANANA“

DECEMBER: DEPLOY „TABEX“
TO „CUSTOMER 1“

END

END



1979

1980

1981

1982

1983

1984

EXECUTE „1ST WORLD CLIMATE CONFERENCE“...

LOADING. PLEASE WAIT...



BEGIN

1982: CATCH „CUSTOMER 1 SWITZERLAND“
IN „INSURANCE“

1984: CATCH „CUSTOMER 1 GERMANY“
IN „INDUSTRY & SERVICE PROVIDERS“
END



CONTINUE PROCEDURE „BOI“ . . .

BEGIN

CONNECT „ACCESS INTERFACES“
USING „ASSEMBLER“

END

BEGIN

CALL „FALCO“
PRINT „ROCK ME AMADEUS“
LOOP „AMADEUS“

END

BEGIN

CALCULATE „TABEX/2“
LOOP „DEVELOPMENT“

LOADING. PLEASE WAIT. . .



. . .

1985

1986

1987

1988

1989

BEGIN

JULY: MOVE „OFFICE“
FROM „ . . . \WEINGARTSHOFSTRASSE“
TO „ . . . \SPAZGASSE“

UPGRADE „OFFICE“
TO „OFFICE WITH A VIEW“
END



BEGIN

CONNECT „ACCESS INTERFACE“
USING „DB2“

ENTER CODE
USING „INTERPRETER“
END

DELETE „IRON CURTAIN“ . . .

CONTINUE PROCEDURE „BOI“ ...
CONTINUE „TABEX/2\DEVELOPMENT“ ...

BEGIN
CONNECT „DATA SPACES“
USING „ESA“
END

BEGIN
CLOSE „TABEX/2\DEVELOPMENT“
DEPLOY „TABEX/2“
END



EXECUTE PROCEDURE „EU“ ...

BEGIN
EXTEND „... \SPAZGASSE“
TO „... \SPAZGASSE & SPAZENHOFSTRASSE“

UPGRADE „OFFICE WITH A VIEW“
TO „TWO OFFICES WITH A VIEW AND GARDEN“

ADD „TBO“
TO „TABEX/2“
END

1990

1991

1992

1993

1994

BEGIN
DEPLOY „INTERNET“
TO „WORLD“
USING „WWW“

LINK „LINUX“
WITH „GNU GPL“
END

BEGIN
INCLUDE „SOFTWARE-ENGINEER“
USING „DI WILFRIED HAIDER“
METHOD

END



BEGIN
CONNECT „STORAGE“
USING „DB2“

CONNECT „DEVELOPER COMPUTER“
USING „BS2000“

CONNECT „TABEX/2 INTERPRETER“
USING „CICS“
END

CONTINUE PROCEDURE „BOI“ . . .

BEGIN

INCLUDE „SOFTWARE-ENGINEER“
USING „DI DIETER MÜLLER-WIPPERFÜRTH“
METHOD

END



BEGIN

CATCH „CUSTOMER 1 DATA CENTER“
IN „IT SERVICE PROVIDERS & DATA CENTERS“

DEPLOY „TABEX CORE“
TO „INTEL PROCESSOR“
USING „TABEX VCPU“

CALCULATE „TABEX/3“
LOOP „DEVELOPMENT“

END

BEGIN

CATCH „CUSTOMER 1 ITALY“
END

LOADING. PLEASE WAIT. . .

BOI

Solutions for the next generation

1995

1996

1997

1998

1999

BEGIN

DEPLOY „JAVA SOURCE CODE“
TO „WORLD“

LOAD SYSTEM „OS 390“

END

LINK „AUSTRIA“ WITH „EU“ . . .

BEGIN

SEND „UTILITIES“
FROM „PL/1“
TO „INTERPRETER“

DEPLOY „BOI WEBSITE 1“
TO „WWW“

END

BEGIN

CLOSE „TABEX/3\DEVELOPMENT“
DEPLOY „TABEX/3“

LINK „VTAS“
WITH „TABEX“
USING „ACCESS INTERFACE“

END

Continue Procedure „BOI“...

Begin

Upgrade „Century“
from „1999“
to „Millennium“

Deploy „V1R1“
to „z/OS“
using „Unix System Services“

Connect „Access Interfaces“
using „Java“

End

Execute Procedure „Euro“...

Loading. Please wait...



Begin

Catch „Jubilee“
using „25 Years BOI Symposium“

Print



End

2000

2001

2002

2003

2004

Begin

Sync „Data Base“
using „Synchronization Service“

Replace „ESA Loader“
with „SSL“

Update „Intel“, „POWER“, „SPARC“
using „TABEX VCPU“

End

Begin

Deploy „Windows XP“
to „World“

End

Begin

Include „Software-Engineer“
using „DI Gerhard Greinecker“
method



End

Continue Procedure „BOI“...

Begin

Calculate „TABEX/4“

Loop „Development“

Deploy „TABEX Add-ons“

using „Relational Bridge“,
„Windows Client Server“

Display „Table Manager“

on „Browser“

End

Begin

Deploy „TABEX/3“
to „Linux“

Connect „TABEX Jobs“

with „Table Manager Job-Start Interface“

Update „Utilities“

add „Table Manager Utilities“
using „TBVW01“, „TBVW02“

Continue „TABEX/4\Development“

Deploy „TABEX/4“

End

Begin

Deploy „Windows 7“
to „World“

End

Begin

Catch „Customer 1 France“

End

2005

2006

2007

2008

2009

Begin

Link „SPITAB“

with „TABEX“

using „Access Interface“

Deploy „TABEX/3“

to „Windows“, „Solaris“

End

Begin

Include „Software-Engineer x2“

using „Sabine Winkler, Msc“, „Andreas Zimmermann, Msc“
method

End



Continue Procedure „BOI“...

Begin

Include „Marketing“, „Key Account Management“
using „Mag. Daniele Haiböck-Sinner“, „Dr. Frank Sinner“

Link „Products“
with „License files“

Display „TABEX Installation“
on „z/OS“
using „GUI“

Deploy „SSL-IDE“

End

Begin

Deploy „Java Access unlimited“,
„Java Access flexible“

Deploy „Java Application Engine“
method „midi“, „mini“

End

Begin

Transfer „Dr. Hans Haiböck“
to „Senior Consultant“

Upgrade „CEO“
to „Next Generation“



End

2010

2011

2012

2013

2014

Begin

Include „Secretariat“, „Cleaning Service“, „Controlling x2“
using „Mariam Nazemi“, „Stanislawa Auinger“, „Mag. Martina Haiböck“, „Alexander Raich“
method

End



Begin

Call „Conchita Wurst“
Print „Rise like a Phoenix“
using „ESC“

End

Continue Procedure „BOI“...

Begin

Deploy „TABEX JTC“

Migrate „z9 Mainframe“
to „Virtual Machine“

End

Begin

Deploy „Windows 10“
to „World“

End

Begin

Include „Marketing & Technical Documentation“
using „Sabine Mitzner“
method

End



Execute „24th World Climate Conference“...

Celebrate „Jubilee“
method



Begin

Deploy „Website“
to „https://www.boi.at“

End

2015

2016

2017

2018

2019

Begin

Add „Graz\Friedrichgasse“
method „Office Graz“
using „More Furniture“

End



Begin

Rename „TABEX/4“
to „TABEX4“

Deploy „JTC“

Deploy „MainTable“

End

Begin

Calculate „New RDB Maintenance Tool“
method „Workflow“
using „High Usability“
Loop „Development“

To be continued...



Display „BOI Team 2019“
To be continued...



TABEX: Table management for 4 decades

Up to now, the core of TABEX, the logic of the data access – the interface for the access between application programs and TABEX routines – is unchanged. What has changed are user interface, programming language, maintenance functionalities, and the structure of the TABEX database.

1979: TABEX TABELLENVERWALTUNG

The first version of the BOI product TABEX TABELLENVERWALTUNG is developed in the programming language PL/I. The product includes a newly developed database with various data segments and a 6-digit validity date. The maintenance dialog bases on the diploma thesis of Dr. Haiböck, an Operations-Research evaluation system (ORS).

1991: TABEX/2

TABEX/2 is a completely new conception. The transition to the programming language Assembler improves the computer performance significantly. A CICS version of ORS is integrated as maintenance program for tables.

1999: TABEX/3

For TABEX/3, the access functionalities are expanded. The table management is newly developed with the significantly enhanced BOI programming language SSL, in order to offer customers a comfortable maintenance dialog. The validity date is extended to 8 digits by default.

2006: TABEX/4

TABEX/4 has a user-friendly browser interface and broad feature enhancements. Now, dialog and functionalities of windows systems like PDF print and Excel functions are available. The product system TABEX/4 is characterized by high-performance table access, various methods for audit-proof protocolling and archiving, and its even more comfortable maintenance interface.



2018: TABEX/4 becomes TABEX4

2018: JTC – The Java Table Cache

JTC is a unique in-memory Java cache. It provides the world's fastest read and write Java access to data in tabular form. JTC extends the concept of the Key-Value Store to the use of tables - independent of the complexity and limitations of an in-memory database.

JTC bridges the gap between Mainframe and decentralized Java applications. It automatically provides the latest data for read access by Java applications, regardless from where the data origins. The read access is up to 550-times faster than direct access on database via JDBC.



2018: MainTable – Optimized Table Maintenance

MainTable is ideal for maintaining table data from relational databases. MainTable connects to an unlimited number of various databases.

Thanks to its intuitive structure, all functions can be learned easily and in remarkably short time – going easy on precious resources. In accordance with our motto it guarantees „Better organized Information“ in your company.



2019: The new RDB maintenance tool made by BOI

RDB table maintenance with high usability and tailored to your corporate workflows: this is the vision for our new RDB maintenance tool.

Let us surprise you!





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Since 2014: BOI's Second Generation


With the beginning of 2014, Daniele Haiböck-Sinner took over the management from her father. She runs the business together with her husband Frank Sinner who acts as key account manager. BOI is renamed in [BOI - Software Entwicklung und Vertrieb GmbH](#).

Just as her father, Ms Haiböck-Sinner highly values long-lasting, productive collaborations with customers as well as building up new cooperations. Equally, she strives to constantly improve BOI software by using the latest technological achievements.

Improvements of existing products and the conception and programming of new products is always based on the high technical know-how of BOI employees and – following a good tradition at BOI – the requirements of BOI customers. Currently, Ms Haiböck-Sinner and her team develop a new RDB maintenance tool. It will enable the maintenance of data from relational databases according to the latest state-of-art.


Over the decades, the ways of communication with BOI customers have changed. In addition to contact face-to-face or via phone or e-mail, BOI is now also present with its relaunched website, its well-established newsletter and on LinkedIn.

Ms Haiböck-Sinner's goals for BOI are economic success and long-term job security for her employees. Besides, sustainable management and reducing BOI's ecological footprint is of high importance to her. For 5 years already, also the economic benefit is consistently shared: 10 percent of BOI's annual profit are donated to social organizations worldwide.



5 years ago, I have taken on the responsibility for a solid company from my father. As CEO, I want to extend our current strengths and create something new. In addition to business goals, I try to keep the big picture in mind and manage BOI according to my values.

I am looking forward to the next years and decades!



Daniele Haiböck-Sinner, CEO



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Begin

Display „Legal Notice“

BOI Software Entwicklung und Vertrieb GmbH, 4040 Linz | <https://www.boi.at>

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Print „Picture Credits“

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using „data binary code (682861) by Sean Gladwell“

method „RAW Photography of the BOI Team“

using „Christine Bauer“, „Andrea Mühlbacher, chiliSCHARF“, „Sabine Mitzner, BOI“

method „Layout, Image Editing and Retouching“

using „Sabine Mitzner, BOI“

End